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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-10-2-2408, EMSU Satellite #10 Removal and
Excavation Closure Report, XTO Energy, Inc., Unit F (SE/4, NW/4), Section 16, Township
21 South, Range 36 East, Lea County, New Mexico

Dear Mr. Leking:

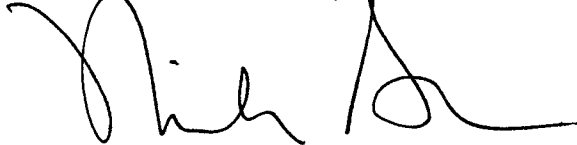
This report is submitted to the State of New Mexico Oil Conservation Division on behalf of XTO Energy, Inc. (XTO) by Larson and Associates, Inc., its agent, and presents the results of remedial actions performed at referenced below grade tank removal.

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-10-2-2408

Eunice Monument South Unit – Satellite #10

Unit F (SE/4, NW/4), Section 16, T21S, R36E

Lea County, NM

Project No. 8-0150

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 #10 (Facility) located in Lea County, New Mexico. The legal description of the Facility is Unit F (SE/4, NW/4), Section 16, Township 21 South, Range 36 East (Figure 1). The Site has a geodetic location of N32° 28' 52.32", W103° 16' 26.16".

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 is located in rural Lea County, New Mexico. The nearest producing well is the XTO EMSU Well #382, with API # 30-025-04663. 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, has an earthen berm to prevent run-on/run-off, and is situated in flat to very gently sloping land (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 12, 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 13, 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 10 Bottom) from the bottom of the excavation.

The sample was 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 10 Bottom sample was below the TPH and chloride OCD reporting levels of 100 ppm (72.6 ppm) and 250 ppm (6.97 ppm), respectively. The sample was below detection limits for BTEX.

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.

Table 1
Soil Analytical Data Summary
EMSU - Satellite #10
XTO Energy, Inc.
Lea County, New Mexico
Project No.: 8-0150

Sample ID	Date	Benzene	Ethyl benzene	Toluene	Total Xylenes	Total BTEX	TRPH	Chlorides
Reporting Limit		0.2				50	100	250
Satellite 10 Bottom	1/13/2010	<0.0010	<0.0010	<0.0021	<0.0010	<0.0010	72.6	6.97

Notes

RRAL - Recommended Remediation Action Level

Total Petroleum Hydrocarbons analyzed via Method 418.1.

Chlorides analyzed via EPA Method 300.

All values reported in Milligrams per Kilogram - dry (mg/kg, parts per million).

Bold and blue indicates the value exceeds NMOCD requirements.

JWW

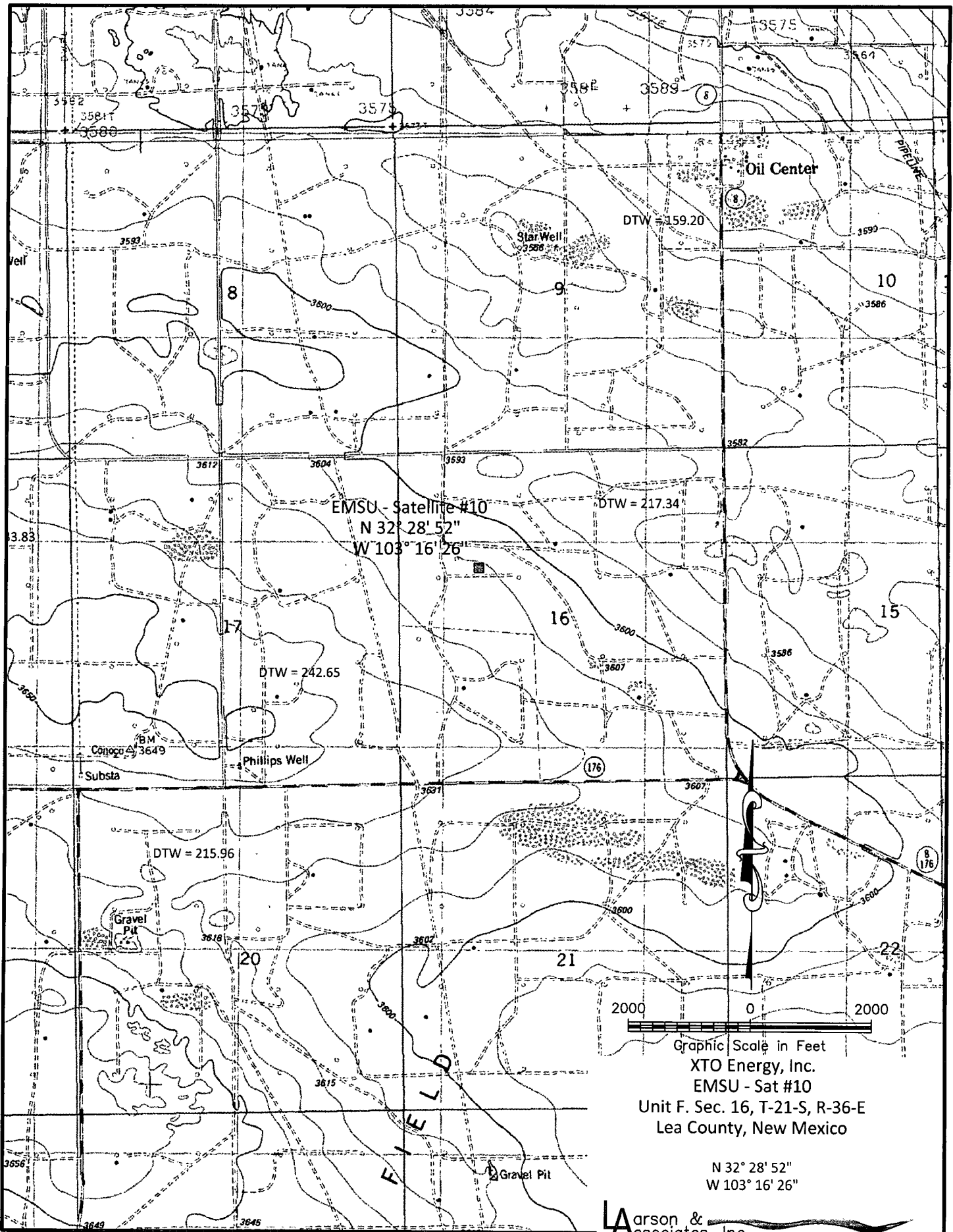
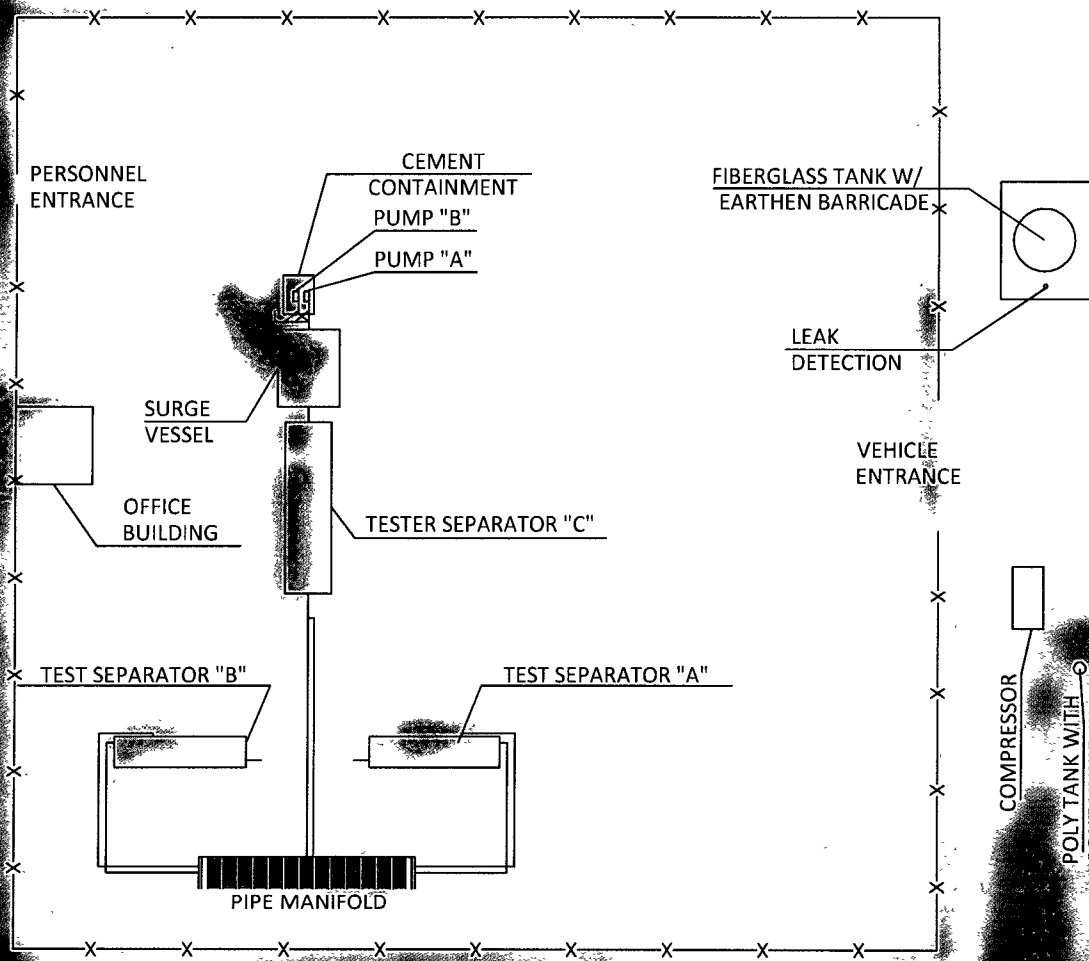


Figure 1 - Topographic Map

JWW



Graphic Scale in Feet

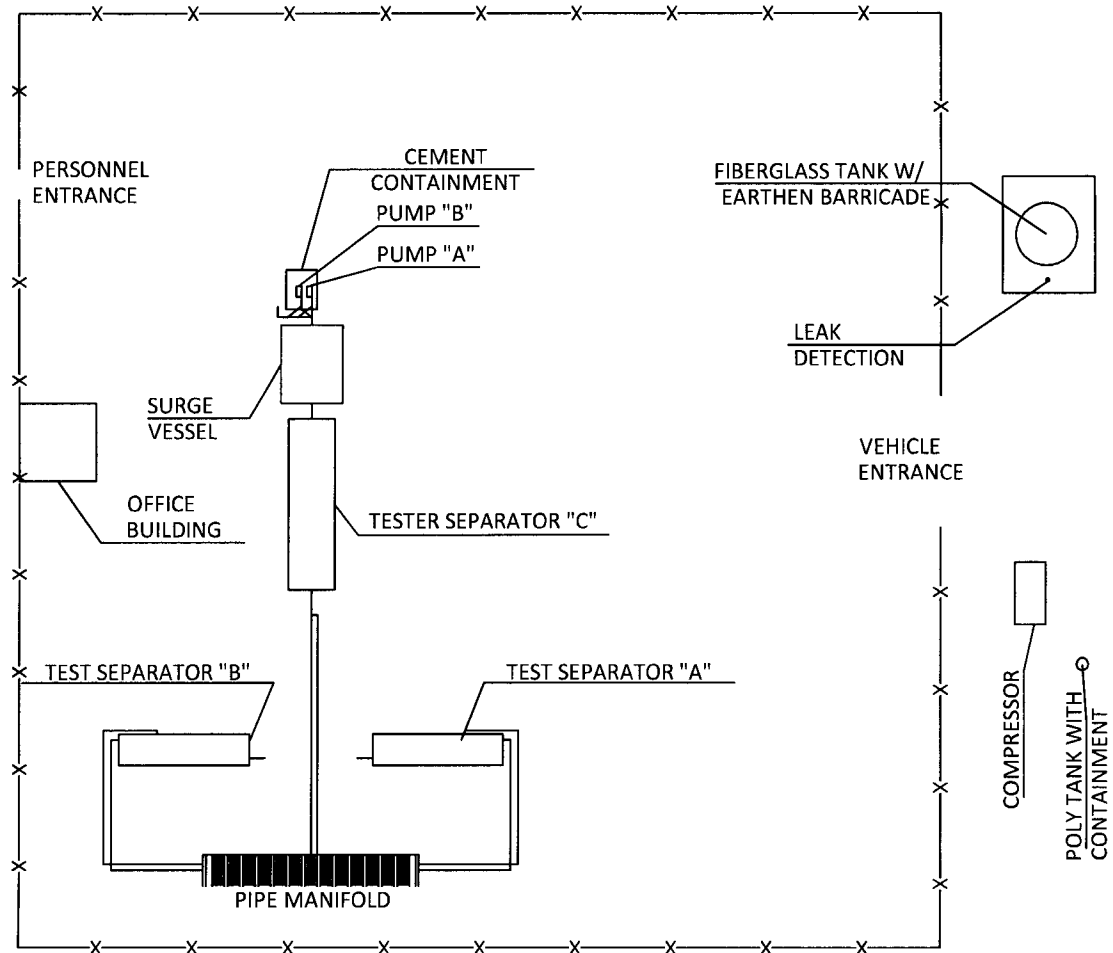
XTO Energy, Inc.
EMSU - Sat #10
Unit F. Sec. 16, T-21-S, R-36-E
Lea County, New Mexico

N 32° 28' 52"
W 103° 16' 26"

Larson &
Associates, Inc.
Environmental Consultants

Figure 2 - Aerial

JWW



Graphic Scale in Feet
 XTO Energy, Inc.
 EMSU - Sat #10
 Unit F. Sec. 16, T-21-S, R-36-E
 Lea County, New Mexico

N 32° 28' 52" ~
 W 103° 16' 26"

Larson & Associates, Inc.
 Environmental Consultants

Figure 3 - Site Drawing

Analytical Report 358525

for

Larson & Associates

Project Manager: Michelle Green

EMSU Sat 10

8-0150

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 (AALI1), 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: **358525**
EMSU Sat 10
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 358525. 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. 358525 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 358525



Larson & Associates, Midland, TX

EMSU Sat 10

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Satellite # 10 Bottom	S	Jan-13-09 10:30		358525-001



CASE NARRATIVE

Client Name: Larson & Associates

Project Name: EMSU Sat 10

Project ID: 8-0150
Work Order Number: 358525

Report Date: 18-JAN-10
Date Received: 01/13/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-789453 Percent Moisture

None

Batch: LBA-789640 BTEX by EPA 8021B

None

Batch: LBA-789653 Anions by E300

None

Batch: LBA-789701 TPH by EPA 418.1

None



Certificate of Analysis Summary 358525

Larson & Associates, Midland, TX

Project Name: EMSU Sat 10

Project Id: 8-0150

Contact: Michelle Green

Project Location:

Date Received in Lab: Wed Jan-13-10 04:50 pm


Report Date: 18-JAN-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id: 358525-001 Field Id: Satellite # 10 Bottom Depth: Matrix: SOIL Sampled: Jan-13-09 10 30					
Anions by E300	Extracted: Analyzed: Jan-15-10 11 40 Units/RL: mg/kg RL					
Chloride	6 97 4 39					
BTEX by EPA 8021B	Extracted: Jan-14-10 15 45 Analyzed: Jan-15-10 07 49 Units/RL: mg/kg RL					
Benzene	ND 0 0010					
Toluene	ND 0 0021					
Ethylbenzene	ND 0 0010					
m,p-Xylenes	ND 0 0021					
o-Xylene	ND 0 0010					
Total Xylenes	ND 0 0010					
Total BTEX	ND 0 0010					
Percent Moisture	Extracted: Analyzed: Jan-14-10 17 00 Units/RL: % RL					
Percent Moisture	4 32 1 00					
TPH by EPA 418.1	Extracted: Analyzed: Jan-18-10 10 18 Units/RL: mg/kg RL					
TPH, Total Petroleum Hydrocarbons	72 6 10 5					

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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5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
12600 West I-20 East, Odessa, TX 79765
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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(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 10

Work Orders : 358525,

Project ID: 8-0150

Lab Batch #: 789640

Sample: 547760-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/15/10 05:55

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 0325	0 0300	108	80-120	
4-Bromofluorobenzene	0 0307	0 0300	102	80-120	

Lab Batch #: 789640

Sample: 547760-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/15/10 06:18

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 0326	0 0300	109	80-120	
4-Bromofluorobenzene	0 0313	0 0300	104	80-120	

Lab Batch #: 789640

Sample: 547760-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/15/10 07:26

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 0269	0 0300	90	80-120	
4-Bromofluorobenzene	0 0318	0 0300	106	80-120	

Lab Batch #: 789640

Sample: 358525-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/15/10 07:49

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 0272	0 0300	91	80-120	
4-Bromofluorobenzene	0 0323	0 0300	108	80-120	

Lab Batch #: 789640

Sample: 358525-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/15/10 15:39

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 0328	0 0300	109	80-120	
4-Bromofluorobenzene	0 0342	0.0300	114	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 10

Work Orders : 358525,

Project ID: 8-0150

Lab Batch #: 789640

Sample: 358525-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/15/10 16:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0330	0.0300	110	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 10

Work Order #: 358525

Project ID:

8-0150

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



BS / BSD Recoveries



Project Name: EMSU Sat 10

Work Order #: 358525

Analyst: ASA

Date Prepared: 01/14/2010

Project ID: 8-0150

Date Analyzed: 01/15/2010

Lab Batch ID: 789640

Sample: 547760-1-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 0980	98	0 1	0 0962	96	2	70-130	35	
Toluene	ND	0 1000	0 0996	100	0 1	0 0977	98	2	70-130	35	
Ethylbenzene	ND	0 1000	0 0990	99	0 1	0 0973	97	2	71-129	35	
m,p-Xylenes	ND	0 2000	0 2024	101	0 2	0 1995	100	1	70-135	35	
o-Xylene	ND	0 1000	0 1051	105	0 1	0 1028	103	2	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 10



Work Order #: 358525

Lab Batch #: 789653

Project ID: 8-0150

Date Analyzed: 01/15/2010

Date Prepared: 01/15/2010

Analyst: LATCOR

QC- Sample ID: 358528-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300		MATRIX / MATRIX SPIKE RECOVERY STUDY				
Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R
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



Form 3 - MS / MSD Recoveries



Project Name: EMSU Sat 10

Work Order #: 358525

Project ID: 8-0150

Lab Batch ID: 789640

QC- Sample ID: 358525-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 01/15/2010

Date Prepared: 01/14/2010

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 1041	0 0922	89	0 1045	0 0836	80	10	70-130	35	
Toluene	ND	0 1041	0 0918	88	0 1045	0 0828	79	10	70-130	35	
Ethylbenzene	ND	0 1041	0 0885	85	0 1045	0 0794	76	11	71-129	35	
m,p-Xylenes	ND	0 2082	0 1799	86	0 2090	0 1616	77	11	70-135	35	
o-Xylene	ND	0 1041	0 0911	88	0 1045	0 0805	77	12	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 10

Work Order #: 358525

Lab Batch #: 789653

Project ID: 8-0150

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 #: 789453

Date Analyzed: 01/14/2010

Date Prepared: 01/14/2010

Analyst: WRU

QC- Sample ID: 358525-001 D

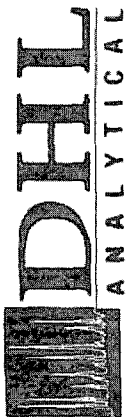
Batch #: 1

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	4.32	4.07	6	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



2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

38525
Nº

CHAIN-OF-CUSTODY

[illegible]

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:

Larson & Assoc.

Date/ Time:

1-13-10 14:50

Lab ID #:

358525

Initials:

AL

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>5.6</u> °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	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)?	<u>Yes</u>	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

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

FEB 04 2010
HOBBSDOCD

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. 10	Facility Type: Tank Battery - Nearest Well is EMSU #382 (API #30-025-04663)

Surface Owner: State of New Mexico	Mineral Owner	Lease No.
------------------------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter F	Section 16	Township 21S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude: N 32° 28' 52.32" Longitude: W 103° 16' 26.16"

NATURE OF RELEASE

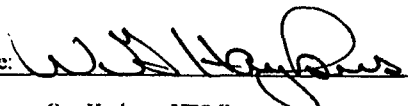
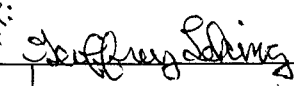
Type of Release: Crude Oil and Water	Volume of Release: Unknown	Volume Recovered: N/A
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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.*

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 72.6 ppm below the reporting limit of 100 ppm. 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 reporting limit (100 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.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus - XTO Energy		ENV. ENGINEER: Approved by District Supervisor: 	
Title: Production Superintendent		Approval Date: 02/01/10	Expiration Date: 04/01/10
E-mail Address: William_haykus@xtoenergy.com		Conditions of Approval: SUBMIT FINAL	
Date: 1/19/2010	Phone: (432) 682-8873	C-141 BY 04/01/10	Attached <input type="checkbox"/> 1RP-10-22408

* Attach Additional Sheets If Necessary

FGR 100 32 341 89

1RP-10-01-2-2408

RECEIVED

FEB 04 2010

HOBBSDOCD

Form C-141

Revised October 10, 2003

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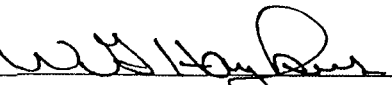
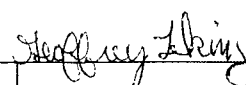
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Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus - XTO Energy	Approved by District Supervisor: 	
Title: Production Superintendent	Approval Date: 02/03/10	Expiration Date: -
E-mail Address: William_haykus@xtoenergy.com	Conditions of Approval.	Attached <input type="checkbox"/>
Date: 1/19/2010 Phone: (432) 682-8873	1RP-10-2-2408	

* Attach Additional Sheets If Necessary