

**APPROVED**

*By Olivia Yu at 1:04 pm, Jun 28, 2017*



NMOCD grants  
closure to  
1RP-4234.

# Mis Amigos Estancia SED Battery 1

## CLOSURE REPORT

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API No. 30-025-40590

Release Date: April 2, 2014

Unit Letter O, Section 31, Township 23 South, Range 33 East

NMOCD Case #: 1R-4234

**November 10, 2016**

**Prepared by:**

Laura Flores

Environmental Department  
Diversified Field Service, Inc.

206 W. Snyder

Hobbs, NM 88240

Phone: (575)964-8394

Fax: (575)393-8396

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# Mis Amigos Estancia SED Battery 1

## 1 INTRODUCTION

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XTO Energy, Inc. (XTO) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located northwest of Jal, NM, in Lea County. The spill site resulted an opened tank valve. Approximately 27 barrels of produced water was released, with 25 barrels recovered. An initial C-141 was submitted to the NMOCD on April 7, 2016 and approved the same day by NMOCD (Appendix I).

## 2 SITE ACTIVITIES

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Beginning April 13, 2016, DFSI personnel were on site to obtain samples within the leak area (Figure 1). Four samples were obtained and field sampled for chloride levels, as well as BTEX, resulting in low concentrations at the surface and with depth throughout. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Confirmatory samples taken at 6" were submitted for analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation (Appendix II).

A backfill request was submitted to NMOCD on April 27, 2016 and approved on May 2, 2016. The site was backfilled with clean, imported caliche to ground surface and contoured to the surrounding area (Appendix III). Seeding of the site is not warranted.

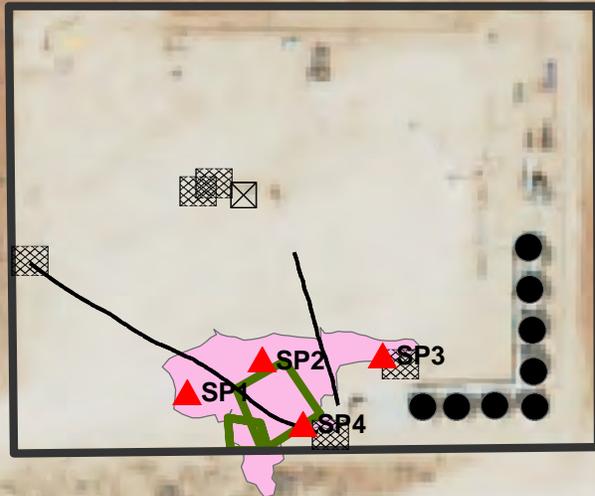
## 3 CONCLUSION

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According to the U.S. Geological Survey and the NM Office of the State Engineer, the site is located in a known area of no groundwater (Appendix IV). Any remaining constituents will be addressed during the site abandonment activities and reclamation; therefore, DFSI, on behalf of XTO, submits the final C-141 (Appendix V) and respectfully requests the closure of this regulatory file.

# Soil Delineation

SP1										SP3									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	139	145.8	ND	ND	73	ND	ND	ND	ND	SS	124	74	ND	ND	ND	ND	ND	ND	ND
1'	141	49.2								1'	118	4.5	68	ND	10	ND	ND	ND	ND
2'	110	57.3																	
3'	118	39.3																	
4'	116	18	ND	ND	ND	ND	ND	ND	ND										
SP2										SP4									
Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X	Depth	Cl-	PID	Lab Cl-	GRO	DRO	B	T	E	X
SS	204	163.3	ND	ND	11	ND	ND	ND	ND	SS	146	108	ND	ND	35	ND	ND	ND	ND
1'	181	40								1'	138	113	64	<10	<10	<0.05	<0.05	<0.05	<0.15
2'	111	89.3								2'	120	120	<16	<10	<10	<0.05	<0.05	<0.05	<0.15
3'	112	22.4								3'	141	257	64	<10	<10	<0.05	<0.05	<0.05	<0.15
4'	111	13.4	ND	ND	ND	ND	ND	ND	ND	4'	108	41							
										5'	114	18	ND	ND	39	ND	ND	ND	ND

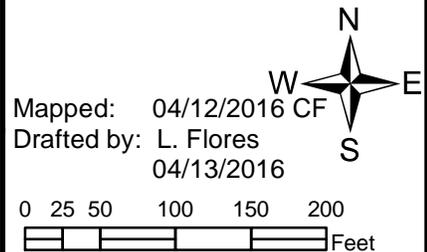


## Legend

- ▲ Sample Points
- Electrical Box
- Pumpjacks
- Buried Line
- Pad
- Tanks
- Tank Containment
- Produced Water (7,983 sq ft)



**XTO Energy**  
**Mis Amigos Estancia SED Battery 1**  
**Unit Letter O, Sec. 31, T23S, R33E**  
**Lea County, NM**  
**API #: 30-025-40590**  
**NMOCD Case #: 1R-4234**



# Appendix I

INITIAL C-141

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Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company XTO Energy, Inc	Contact John Robinson
Address 500 W. Illinois, Suite 100, Midland, TX 79701	Telephone No. 575-441-5199
Facility Name Miss Amigos Battery	Facility Type Battery
Surface Owner State	Mineral Owner
API No. 30-025-40590	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	31	23S	33E					LEA

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 27 Barrels	Volume Recovered 25 Barrels
Source of Release Tank	Date and Hour of Occurrence 4-2-14	Date and Hour of Discovery 4-2-14 8:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Called Jamie Keyes on 4-6-16	
By Whom? John Robinson	Date and Hour 4-6-16 10:00 am	
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.\*

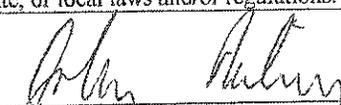
Pop off valve stuck open and ran over pop off tank. Had vacuum truck clean up all standing water and haul off.

Describe Area Affected and Cleanup Action Taken.\*

All water stayed on battery pad. Will test soil and find depth of contamination and haul off all contaminated soil and replace with clean soil.

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: 	Approved by Environmental Specialist:	
Printed Name: John Robinson	Approval Date: 04/07/2016	Expiration Date: 06/07/2016
Title: Maintenance foreman	Conditions of Approval:	
E-mail Address: john_robinson@xtoenergy.com	Discrete site samples only. Delineate and remediate per NMOCD guidelines. Photos of remediation recommended.	
Date: 4-7-14	Phone: 575-441-5199	Attached <input type="checkbox"/> 1RP 4234

\* Attach Additional Sheets If Necessary

nJXK1609828269  
pJXK1609828378

# Appendix II

## LABORATORY ANALYSIS

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Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

April 18, 2016

John Robinson  
Diversified Field Services, Inc  
315 S. Leech St  
Hobbs, NM 88240  
TEL: (575) 964-8394  
FAX

RE: XTO Mis Amigos/Estancia SED Battery #1

OrderNo.: 1604653

Dear John Robinson:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/15/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604653

Date Reported: 4/18/2016

**CLIENT:** Diversified Field Services, Inc

**Client Sample ID:** Sample Point 1 @ 4'

**Project:** XTO Mis Amigos/Estancia SED Battery

**Collection Date:** 4/13/2016 9:40:00 AM

**Lab ID:** 1604653-001

**Matrix:** SOIL

**Received Date:** 4/15/2016 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/15/2016 11:01:36 AM
Surr: DNOP	81.2	70-130		%Rec	1	4/15/2016 11:01:36 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/15/2016 11:13:29 AM
Surr: BFB	94.5	80-120		%Rec	1	4/15/2016 11:13:29 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	4/15/2016 11:13:29 AM
Toluene	ND	0.035		mg/Kg	1	4/15/2016 11:13:29 AM
Ethylbenzene	ND	0.035		mg/Kg	1	4/15/2016 11:13:29 AM
Xylenes, Total	ND	0.070		mg/Kg	1	4/15/2016 11:13:29 AM
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	4/15/2016 11:13:29 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	4/15/2016 12:00:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604653

Date Reported: 4/18/2016

**CLIENT:** Diversified Field Services, Inc

**Client Sample ID:** Sample Point 2 @ 4'

**Project:** XTO Mis Amigos/Estancia SED Battery

**Collection Date:** 4/13/2016 9:40:00 AM

**Lab ID:** 1604653-002

**Matrix:** SOIL

**Received Date:** 4/15/2016 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/15/2016 11:23:05 AM
Surr: DNOP	72.4	70-130		%Rec	1	4/15/2016 11:23:05 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	2.7		mg/Kg	1	4/15/2016 11:36:56 AM
Surr: BFB	93.3	80-120		%Rec	1	4/15/2016 11:36:56 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.013		mg/Kg	1	4/15/2016 11:36:56 AM
Toluene	ND	0.027		mg/Kg	1	4/15/2016 11:36:56 AM
Ethylbenzene	ND	0.027		mg/Kg	1	4/15/2016 11:36:56 AM
Xylenes, Total	ND	0.054		mg/Kg	1	4/15/2016 11:36:56 AM
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	4/15/2016 11:36:56 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	4/15/2016 12:13:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604653

Date Reported: 4/18/2016

**CLIENT:** Diversified Field Services, Inc

**Client Sample ID:** Sample Point 3 @ 1'

**Project:** XTO Mis Amigos/Estancia SED Battery

**Collection Date:** 4/13/2016 11:10:00 AM

**Lab ID:** 1604653-003

**Matrix:** SOIL

**Received Date:** 4/15/2016 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	10	9.9		mg/Kg	1	4/15/2016 11:44:49 AM
Surr: DNOP	77.5	70-130		%Rec	1	4/15/2016 11:44:49 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/15/2016 12:00:25 PM
Surr: BFB	96.5	80-120		%Rec	1	4/15/2016 12:00:25 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	4/15/2016 12:00:25 PM
Toluene	ND	0.034		mg/Kg	1	4/15/2016 12:00:25 PM
Ethylbenzene	ND	0.034		mg/Kg	1	4/15/2016 12:00:25 PM
Xylenes, Total	ND	0.069		mg/Kg	1	4/15/2016 12:00:25 PM
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	4/15/2016 12:00:25 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LGT</b>
Chloride	68	30		mg/Kg	20	4/15/2016 12:50:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604653

Date Reported: 4/18/2016

**CLIENT:** Diversified Field Services, Inc

**Client Sample ID:** Sample Point 4 @ 5'

**Project:** XTO Mis Amigos/Estancia SED Battery

**Collection Date:** 4/13/2016 1:00:00 PM

**Lab ID:** 1604653-004

**Matrix:** SOIL

**Received Date:** 4/15/2016 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>KJH</b>
Diesel Range Organics (DRO)	39	9.7		mg/Kg	1	4/15/2016 12:06:29 PM
Surr: DNOP	67.8	70-130	S	%Rec	1	4/15/2016 12:06:29 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/15/2016 12:23:56 PM
Surr: BFB	104	80-120		%Rec	1	4/15/2016 12:23:56 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>NSB</b>
Benzene	ND	0.019		mg/Kg	1	4/15/2016 12:23:56 PM
Toluene	ND	0.038		mg/Kg	1	4/15/2016 12:23:56 PM
Ethylbenzene	ND	0.038		mg/Kg	1	4/15/2016 12:23:56 PM
Xylenes, Total	ND	0.077		mg/Kg	1	4/15/2016 12:23:56 PM
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	4/15/2016 12:23:56 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	4/15/2016 1:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604653

18-Apr-16

**Client:** Diversified Field Services, Inc  
**Project:** XTO Mis Amigos/Estancia SED Battery #1

Sample ID <b>MB-24835</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>24835</b>	RunNo: <b>33569</b>								
Prep Date: <b>4/15/2016</b>	Analysis Date: <b>4/15/2016</b>	SeqNo: <b>1033517</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID <b>LCS-24835</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>24835</b>	RunNo: <b>33569</b>								
Prep Date: <b>4/15/2016</b>	Analysis Date: <b>4/15/2016</b>	SeqNo: <b>1033518</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604653

18-Apr-16

**Client:** Diversified Field Services, Inc  
**Project:** XTO Mis Amigos/Estancia SED Battery #1

Sample ID <b>LCS-24822</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24822</b>		RunNo: <b>33556</b>							
Prep Date: <b>4/15/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1032484</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.00	0	75.9	65.8	136			
Surr: DNOP	3.8		5.000		75.5	70	130			

Sample ID <b>MB-24822</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24822</b>		RunNo: <b>33556</b>							
Prep Date: <b>4/15/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1032485</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.1		10.00		81.4	70	130			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604653

18-Apr-16

**Client:** Diversified Field Services, Inc  
**Project:** XTO Mis Amigos/Estancia SED Battery #1

Sample ID <b>MB-24804</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24804</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033188</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.0	80	120			

Sample ID <b>LCS-24804</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24804</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033189</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	80	120			
Surr: BFB	1000		1000		100	80	120			

Sample ID <b>MB-24803</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24803</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033203</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.2	80	120			

Sample ID <b>LCS-24803</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24803</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033204</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	80	120			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1604653

18-Apr-16

**Client:** Diversified Field Services, Inc  
**Project:** XTO Mis Amigos/Estancia SED Battery #1

Sample ID <b>MB-24804</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24804</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033222</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	80	120			

Sample ID <b>LCS-24804</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24804</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033223</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	75.3	123			
Toluene	0.89	0.050	1.000	0	88.6	80	124			
Ethylbenzene	0.87	0.050	1.000	0	87.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	88.0	83.9	122			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Sample ID <b>MB-24803</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>24803</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033238</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	80	120			

Sample ID <b>LCS-24803</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>24803</b>		RunNo: <b>33568</b>							
Prep Date: <b>4/14/2016</b>	Analysis Date: <b>4/15/2016</b>		SeqNo: <b>1033239</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87109  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: **DIVERSIFIED FIELD SE**

Work Order Number: **1604653**

RcptNo: **1**

Received by/date: JA 04/15/16

Logged By: **Anne Thorne** 4/15/2016 9:25:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 4/15/2016 *Anne Thorne*

Reviewed By: *JA* 04/15/16

### Chain of Custody

- Custody seals intact on sample bottles? Yes  No  Not Present
- Is Chain of Custody complete? Yes  No  Not Present
- How was the sample delivered? Courier

### Log In

- Was an attempt made to cool the samples? Yes  No  NA
- Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- Sample(s) in proper container(s)? Yes  No
- Sufficient sample volume for indicated test(s)? Yes  No
- Are samples (except VOA and ONG) properly preserved? Yes  No
- Was preservative added to bottles? Yes  No  NA
- VOA vials have zero headspace? Yes  No  No VOA Vials
- Were any sample containers received broken? Yes  No
- Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No
- Are matrices correctly identified on Chain of Custody? Yes  No
- Is it clear what analyses were requested? Yes  No
- Were all holding times able to be met? (If no, notify customer for authorization.) Yes  No

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: \_\_\_\_\_

### Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

17. Additional remarks:

PER ST USE COLLECTION TIMES ON SAMPLE JARS/at 4/15/16

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.3	Good	Yes			

# Chain-of-Custody Record

Turn-Around Time: **need results by 5pm 4/15**

Standard  Rush

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

Client: **Qualified Env.**

Project Name: **XTO Mrs Amigos/Estancia SED Battery #1**

mailing Address: **206 W Snyder**  
**Halls nm**  
 phone #: **(575) 631-1661**  
 mail or Fax#: **(575) 631-1661**

Project #: **#1**

Project Manager: **John Robinson**

Sample Temperature: **4.3**

On Ice:  Yes  No

Sampler: **Chris Flores**

Sample Request ID: **AS-041516**

Matrix: **Soil**

Container Type and #: **Meat tins**

HEAL No.: **1604653**

Preservative Type: **ice**

Date: **4/15/16**

Time: **0830**

Sample Point 1 @ 4'

Sample Point 2 @ 4'

Sample Point 3 @ 1'

Sample Point 4 @ 5'

Time: **0940**

Time: **1140**

Time: **1445**

Time: **1030**

Time: **1300**

Analysis Request	
BTEX + MTBE + TMBs (8021)	<input checked="" type="checkbox"/>
BTEX + MTBE + TPH (Gas only)	<input checked="" type="checkbox"/>
TPH 8015B (GRO / DRO / MRO)	<input checked="" type="checkbox"/>
TPH (Method 418.1)	
EDB (Method 504.1)	
PAH's (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	<input checked="" type="checkbox"/>
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
Air Bubbles (Y or N)	

Remarks: Email to: **invalves@diversifiedfsi.com**  
**m.burton@mpatterson.com**  
**cflores**

Received by: **Sph** Date: **4/15/16 0630**

Received by: **John Robinson** Date: **04/15/16 0925**

Relinquished by: **Chris Flores** Time: **0830**

Relinquished by: **John Robinson** Time: **1030**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



April 29, 2016

MICHAEL PATTERSON  
DIVERSIFIED FIELD SERVICES, INC.  
P. O. BOX 5966  
HOBBS, NM 88241

RE: MISS AMIGOS/ESTANCIA SED BATTERY #1

Enclosed are the results of analyses for samples received by the laboratory on 04/29/16 7:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 DIVERSIFIED FIELD SERVICES, INC.  
 MICHAEL PATTERSON  
 P. O. BOX 5966  
 HOBBS NM, 88241  
 Fax To: (575) 393-2981

Received:	04/29/2016	Sampling Date:	04/29/2016
Reported:	04/29/2016	Sampling Type:	Soil
Project Name:	MISS AMIGOS/ESTANCIA SED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SAMPLE PT. 4 @ 1' (H600919-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2016	ND	2.02	101	2.00	0.375	
Toluene*	<0.050	0.050	04/29/2016	ND	1.95	97.3	2.00	0.137	
Ethylbenzene*	<0.050	0.050	04/29/2016	ND	1.74	87.0	2.00	1.37	
Total Xylenes*	<0.150	0.150	04/29/2016	ND	5.37	89.4	6.00	1.05	
Total BTEX	<0.300	0.300	04/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	04/29/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2016	ND	197	98.3	200	1.25	
DRO >C10-C28	<10.0	10.0	04/29/2016	ND	224	112	200	8.70	

Surrogate: 1-Chlorooctane 72.3 % 35-147

Surrogate: 1-Chlorooctadecane 77.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DIVERSIFIED FIELD SERVICES, INC.  
 MICHAEL PATTERSON  
 P. O. BOX 5966  
 HOBBS NM, 88241  
 Fax To: (575) 393-2981

Received:	04/29/2016	Sampling Date:	04/29/2016
Reported:	04/29/2016	Sampling Type:	Soil
Project Name:	MISS AMIGOS/ESTANCIA SED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SAMPLE PT. 4 @ 2' (H600919-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2016	ND	2.02	101	2.00	0.375		
Toluene*	<0.050	0.050	04/29/2016	ND	1.95	97.3	2.00	0.137		
Ethylbenzene*	<0.050	0.050	04/29/2016	ND	1.74	87.0	2.00	1.37		
Total Xylenes*	<0.150	0.150	04/29/2016	ND	5.37	89.4	6.00	1.05		
Total BTEX	<0.300	0.300	04/29/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/29/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/29/2016	ND	197	98.3	200	1.25		
DRO >C10-C28	<10.0	10.0	04/29/2016	ND	224	112	200	8.70		

Surrogate: 1-Chlorooctane 72.6 % 35-147

Surrogate: 1-Chlorooctadecane 77.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 DIVERSIFIED FIELD SERVICES, INC.  
 MICHAEL PATTERSON  
 P. O. BOX 5966  
 HOBBS NM, 88241  
 Fax To: (575) 393-2981

Received:	04/29/2016	Sampling Date:	04/29/2016
Reported:	04/29/2016	Sampling Type:	Soil
Project Name:	MISS AMIGOS/ESTANCIA SED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SAMPLE PT. 4 @ 3' (H600919-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2016	ND	2.02	101	2.00	0.375		
Toluene*	<0.050	0.050	04/29/2016	ND	1.95	97.3	2.00	0.137		
Ethylbenzene*	<0.050	0.050	04/29/2016	ND	1.74	87.0	2.00	1.37		
Total Xylenes*	<0.150	0.150	04/29/2016	ND	5.37	89.4	6.00	1.05		
Total BTEX	<0.300	0.300	04/29/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/29/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/29/2016	ND	197	98.3	200	1.25		
DRO >C10-C28	<10.0	10.0	04/29/2016	ND	224	112	200	8.70		

Surrogate: 1-Chlorooctane 80.2 % 35-147

Surrogate: 1-Chlorooctadecane 84.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

\* RUSH \*

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: XTO		BILL TO		ANALYSIS REQUEST																								
Project Manager:		P.O. #:																										
Address:		Company: Diversified																										
City:	State:	Zip:	Attn:																									
Phone #:	Fax #:		Address:																									
Project #:	Project Owner:		City:																									
Project Name: XTO			State:	Zip:																								
Project Location: Mis Amigos/Estancia SED Battery #1			Phone #:																									
Sampler Name: Chris Flores			Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING															
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	Chloride	TEH	BTEX										
	H1000919		G	1			✓					✓		4/29/2016	5:30 AM	X	X	X										
	1	Sample Point 4 @ 1'	G	1			✓					✓			5:35 AM	X	X	X										
	2	Sample Point 4 @ 2'	G	1			✓					✓			5:40 AM	X	X	X										
	3	Sample Point 4 @ 3'	G	1			✓					✓																

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Relinquished By:	Date: 4/29/2016	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 7:55		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email to: cflores@diversifiedfsi.com	
	Time:		cflores@c	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)	mvalves@c	
Sampler - UPS - Bus - Other:	3.2c	JA	mburton@c	
	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		mpatterson@c	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

corrected 3.30 #54

# Appendix III

## SITE PHOTOS

---



# Mis Amigos Estancia SED Battery 1

## PHOTO PAGE

---



Site prior



Site prior



Collecting samples



Collecting samples



Scraping site



Removed caliche



Pressuring washing vegetation



Backfilling site with caliche



Site completed



Site completed

# Appendix IV

## GROUNDWATER STUDY

---

Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394



---

# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

---

No records found.

**PLSS Search:**

**Section(s):** 31

**Township:** 23S

**Range:** 33E

# Appendix V

FINAL C-141

---

Diversified Field Service, Inc.  
206 W. Snyder  
Hobbs, NM 88240  
(575) 964-8394

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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

Form C-141  
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: XTO Energy, Inc.	Contact: John Robinson
Address: 500 W Illinois, Midland, TX 79701	Telephone No.: 575-441-5199
Facility Name: Mis Amigos Battery	Facility Type: Battery

Surface Owner: State	Mineral Owner	API No. 30-025-40590
----------------------	---------------	----------------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	31	23S	33E	178	South	3168	West	Lea

Latitude 32.254503 Longitude -103.609478

**NATURE OF RELEASE**

Type of Release Spill: Produced Water	Volume of Release: 27 bbls	Volume Recovered: 25 bbls
Source of Release: Tank	Date and Hour of Occurrence 04/02/2014	Date and Hour of Discovery 04/02/2014 8:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jamie Keyes	
By Whom? John Robinson	Date and Hour: 04/6/2016 10:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**APPROVED**  
By Olivia Yu at 1:05 pm, Jun 28, 2017

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
Pop off valve stuck open and ran over pop off tank. Had vacuum truck clean up all standing water and haul off. All water stayed on battery pad.

Describe Area Affected and Cleanup Action Taken.\*  
Beginning April 13, 2016, DFSI personnel were on site to obtain samples within the leak area. Four samples were obtained and field sampled for chloride levels, as well as BTEX, resulting in low concentrations at the surface and with depth throughout. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Confirmatory samples taken at 6" were submitted for analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation.

A backfill request was submitted to NMOCD on April 27, 2016 and approved on May 2, 2016. The site was backfilled with clean, imported caliche to ground surface and contoured to the surrounding area. Seeding of the site is not warranted.

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.

<b>OIL CONSERVATION DIVISION</b>	
Signature:	Approved by Environmental Specialist: 
Printed Name: John Robinson	Approval Date: <span style="border: 1px solid red; padding: 2px;">6/28/2017</span> Expiration Date: <span style="border: 1px solid red; padding: 2px;">xx/xx/xxxx</span>
Title: Maintenance Foreman	Conditions of Approval: Attached <input type="checkbox"/>
E-mail Address: john_robinson@xtoenergy.com	
Date: Phone: 575-441-5199	

\* Attach Additional Sheets If Necessary

1RP-4234