

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

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

Form C-141  
Revised August 8, 2011

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

**2RP-3835**

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company <i>Enterprise Field Services LLC</i>	Contact <i>Alena Miro</i>
<i>PO Box 4324, Houston, TX 77210</i>	Telephone No. <i>575-628-6802</i>
Facility Name <i>Pipeline ROW, Crossover Line</i>	Facility Type: <i>Gas Gathering Pipeline</i>
Surface Owner <i>BLM</i>	Mineral Owner <i>NA - Pipeline</i>
	Lease No. <i>NA</i>

**LOCATION OF RELEASE**

Unit Letter <i>M</i>	Section <i>21</i>	Township <i>23S</i>	Range <i>31E</i>	Feet from the <i>650</i>	North/South Line <i>North</i>	Feet from the <i>20</i>	East/West Line <i>East</i>	County <i>Eddy</i>
-------------------------	----------------------	------------------------	---------------------	-----------------------------	----------------------------------	----------------------------	-------------------------------	-----------------------

Latitude: *N 32.284492* Longitude: *W -103.787132*

**NATURE OF RELEASE**

Type of Release <i>Natural Gas and pipeline liquid</i>	Volume of Release: <i>170 MCF gas/ 5 bbl liquids</i>	Volume Recovered: <i>N/A</i>
Source of Release <i>Pipeline Leak</i>	Date and Hour of Occurrence <i>8/14/2016 @ 18:45 MST</i>	Date and Hour of Discovery <i>8/14/2016 @ 22:00 MST</i>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.\*

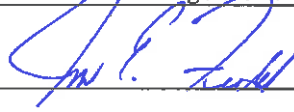
Describe Cause of Problem and Remedial Action Taken.\*

*Natural gas and pipeline liquids were released due to a pipeline leak. Pipeline segment was isolated, blown down, and repaired following standard one-call. Approximately 5 bbls of liquid released.*

Describe Area Affected and Cleanup Action Taken.\*

*A liquid spill of approximately 5 bbl of pipeline liquids as part of the leak. All liquids were confined to the right of way. Remediation actions followed the Enterprise Products, General Release Notification, Response and Remediation Plan (March 9, 2015).*

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <i>Jon E. Fields</i>	Approved by District Supervisor: <i>Ashley Maxwell</i>	
Title: <i>Director, Field Environmental</i>	Approval Date: <i>4/12/2023</i>	Expiration Date:
E-mail Address: <i>jefields@eprod.com</i>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>3-17-17</i> Phone: <i>713-381-6684</i>		

\* Attach Additional Sheets If Necessary

# SOIL REMEDIATION AND FINAL CLOSURE REPORT FOR INCIDENT 2RP-3835

ENTERPRISE FIELD SERVICES LLC

PIPELINE ROW, CROSSOVER LINE

UL M, SECTION 21, T23S R31E, NMPM  
EDDY COUNTY, NM



**Submitted To:**

Enterprise Field Services, LLC  
P.O. Box 4342  
Houston, TX 77210

**Submitted By:**

Souder, Miller & Associates  
201 S. Halagueno  
Carlsbad, NM 88221  
(575) 689-7040



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220  
(575) 689-7040

Table of Contents

1.0 Introduction..... 1

2.0 Site Ranking and Land Jurisdiction ..... 1

3.0 Assessment and Initial Results ..... 1

4.0 Soil Remediation Summary ..... 1

5.0 Conclusions and Recommendations..... 2

6.0 Closure and Limitations..... 2

Figures:

- Figure 1: Vicinity Map
- Figure 2: Detailed Site and Sample Map

Tables:

- Table 1: Release Information and Site Ranking
- Table 2: Summary Field Screening Results
- Table 3: Summary of Laboratory Analyses

Appendices:

- Appendix A: Laboratory Analytical Reports
- Appendix B: Form C141 Initial and Final
- Appendix C: NMOSE Water Column Data
- Appendix D: Waste Manifest

Pipeline ROW, Crossover Line  
Closure Report

November 11, 2016  
SMA #5B25299-BG8

## **1.0 Introduction**

On behalf of Enterprise Field Service, LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this report that describes the assessment, and subsequent mitigation of a release associated with the Pipeline ROW, Crossover Line. The site is located in Section 21, Township 23S, Range 31E NMPM, Eddy County, New Mexico, on federal land administered by the Bureau Land Management. Figure 1 illustrates the vicinity and location of the site. Enterprise tasked SMA to sample and guide excavation of the release location.

## **2.0 Site Ranking and Land Jurisdiction**

The release site is located approximately 11 miles east of Salt Lake, with an elevation of approximately 3,449 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be 168 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. Zero wells are located within a one-mile radius of the site. Figure 1 depicts the site vicinity and Figure 2 shows the site itself. The physical location of this release is within the jurisdiction of NMOCD.

Based on the NMOCD Guidelines Ranking Criteria, this release location has been assigned a NMOCD ranking of 0 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 5000 ppm total petroleum hydrocarbons (TPH). Table 1 illustrates site ranking rationale.

## **3.0 Assessment and Initial Results**

On September 21, 2016 after receiving 811 clearance, NMR Pipeline, LLC arrived with a track hoe and assisted SMA field personnel in assessing the release area with a Photo Ionization Detector (PID), and a mobile chlorides titration kit (EPA method 9045D). The potentially affected area was found to be approximately 47 feet long and 13 feet wide. The site delineation samples were collected to depths of five feet bgs. Specific sample locations for all samples are depicted on Figure 2 (Sample Location Map) along with sampling details. All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis using EPA Method 300.0 Anions, EPA Method 8015 GRO/DRO, and EPA Method 8021 BTEX.

## **4.0 Soil Remediation Summary**

Excavation of affected soils commenced on September 21, 2016 with approval from area utilities owners via 811 and NMOCD. SMA continuously guided the excavation activities by collecting composite soil samples for field screening with a mobile chlorides titration unit (EPA 4500) and a calibrated PID. Delineation was performed to a depth of 5 feet bgs to define the plume limits by NMOCD standards. Excavation was to a depth sufficient to remove the contaminated soil, approximately five feet bgs. The excavated contaminated soil was loaded into a dump truck and hauled to Lea Land, near Carlsbad, NM. Discrete final closure samples were collected within the excavation. Approximately 120 cubic yards of chloride contaminated soil was removed and replaced with 120 cubic yards of clean backfill material in the excavation. The backfill of the

Pipeline ROW, Crossover Line  
Closure Report

November 11, 2016  
SMA #5B25299-BG8

excavation was then completed with the stockpiled clean material sufficient to bring the contours to surface grade.

## **5.0 Conclusions and Recommendations**

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 0: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 5000 ppm TPH. The release consisted of pipeline fluids. Petroleum impacts were not found during the initial assessment and remediation by SMA.

Laboratory analytical results for all final closure samples collected were below NMOCD closure standards for Benzene, BTEX, and TPH, and are of similar chloride concentrations compared to the background sample collected. No further remedial activities are recommended. Soil contaminant concentrations are illustrated in Figure 2. A summary of laboratory analytical results is included in Table 3. Laboratory reports are included in Appendix C.

Photo documentation is available by request.

## **6.0 Closure and Limitations**

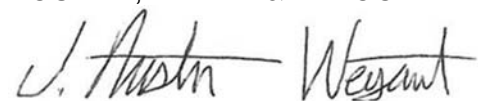
The scope of our services consisted of the performance of confirmatory spill and spill mitigation assessment sampling, verification of release stabilization, regulatory liaison, and preparation of this Closure Report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-7040 or Cindy Gray at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES



Austin Weyant  
Project Scientist



Cynthia Gray, CHMM  
Senior Scientist

Pipeline ROW, Crossover Line  
Closure Report

November 11, 2016  
SMA #5B25299-BG8

**Figures:**

Figure 1: Vicinity Map

Figure 2: Detailed Site and Sample Map

**Tables:**

Table 1: Release Information and Site Ranking

Table 2: Summary of Field Screening Results

Table 3: Summary of Laboratory Analyses

**Appendices:**

Appendix A: Laboratory Analytical Reports

Appendix B: Form C141 Initial and Final

Appendix C: NMOSE Water Column Data

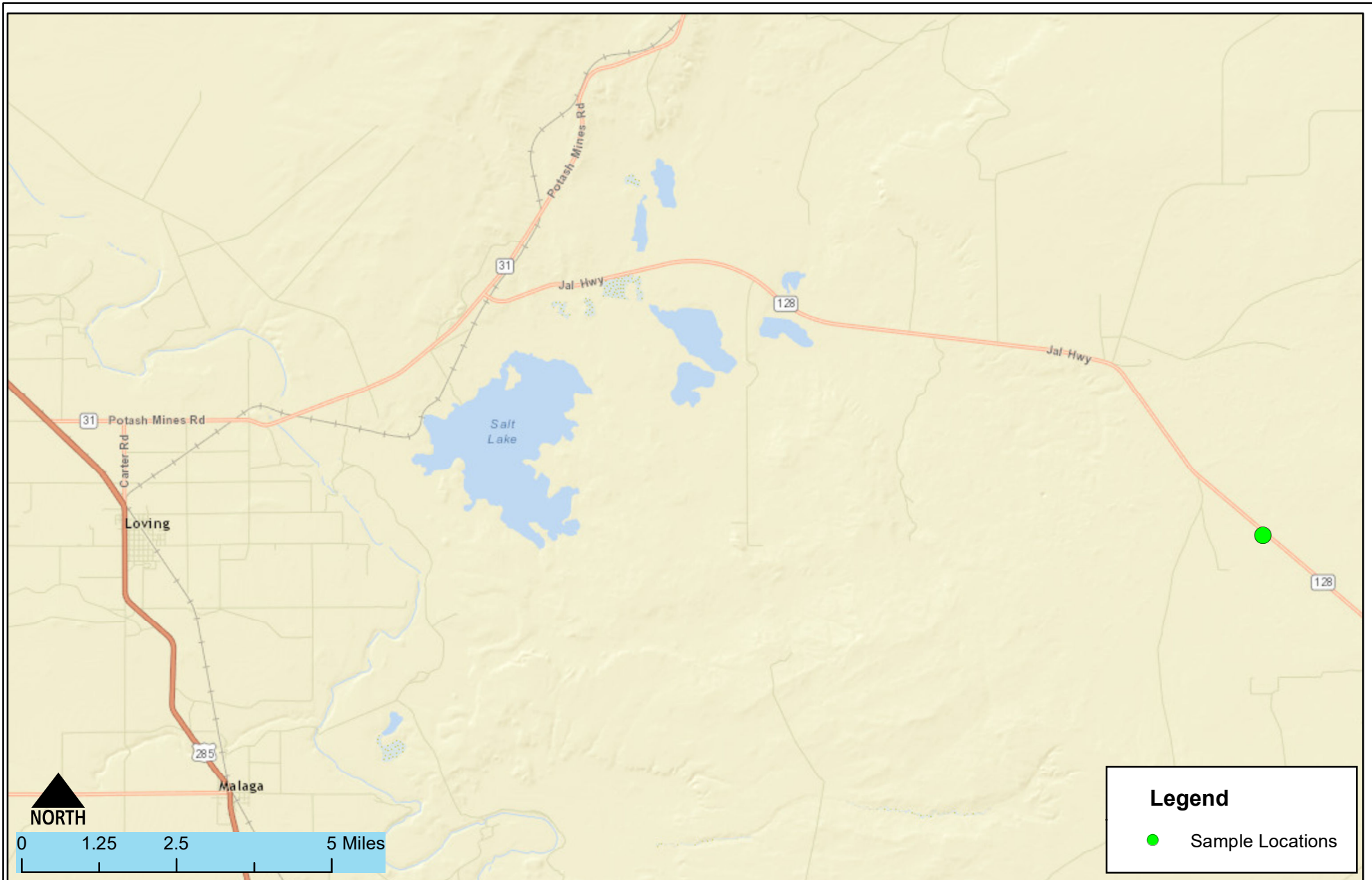
Appendix D: Waste Manifest

Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

# FIGURE 1 VICINITY MAP





Legend

Sample Locations

Vicinity Map  
ROW Crossover - Enterprise  
Loving, New Mexico

Figure 1

Date Saved: 10/14/2016	Revisions		Drawn <u>Lucas Middleton</u>	
	By: _____	Date: _____	Checked _____	
	By: _____	Date: _____	Approved _____	
Copyright 2015 Souder, Miller & Associates - All Rights Reserved				



201 South Halaguena Street  
Carlsbad, New Mexico 88221  
(575) 689-7040  
www.soudermiller.com  
Serving the Southwest & Rocky Mountains



Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

# FIGURES 2 & 3

## DETAILED SITE AND SAMPLE MAPS



Detailed Sample Map  
ROW Crossover - Enterprise  
Carlsbad, New Mexico

Figure 2

Date Saved:  
9/21/2016

By: _____	Date: _____	Revisions	Descr: _____
By: _____	Date: _____		Descr: _____

Copyright 2015 Souder, Miller & Associates - All Rights Reserved

Drawn	Lucas Middleton
Checked	_____
Approved	_____



201 South Halaguena Street  
Carlsbad, New Mexico 88221  
(575) 689-7040  
www.soudermiller.com  
Serving the Southwest & Rocky Mountains



**Legend**

- Sample Locations
- █ Excavation

Background Sample Map  
ROW Crossover - Enterprise  
Loving, New Mexico

Figure 3

Date Saved: 3/14/2017	By: _____	Date: _____	Revisions	Descr: _____	Drawn	Lucas Middleton
	By: _____	Date: _____		Descr: _____	Checked	_____
Copyright 2015 Souder, Miller & Associates - All Rights Reserved					Approved	_____



201 South Halaguena Street  
Carlsbad, New Mexico 88221  
(575) 689-7040  
www.soudermiller.com  
Serving the Southwest & Rocky Mountains

Pipeline ROW, Crossover Line  
Closure Report

October 10, 2016  
SMA #5B25299-BG8

# TABLE 1

## RELEASE INFORMATION AND SITE RANKING

Table 1: Release information and Site Ranking					
Name	Pipeline ROW, Crossover Line				
Location	Incident Number	API Number	Section, Township, Range		
	2RP-3835	N/A	SW/SE (M Unit )	Section 21	T23S, R31E NMPM
Estimated Date of Release	August 14, 2016				
Date Reported to NMOCD	August 17, 2016				
Reported by	Jon E. Fields				
Land Owner	Bureau of Land Management				
Reported To	NM Oil Conservation Division (NMOCD)				
Source of Release	Pipeline Repair				
Released Material	Gas and Pipeline liquids				
Released Volume	170 MCF GAS 5 bbls Pipeline Liquids				
Recovered Volume	0 MCF GAS 0 bbls Pipeline Liquids				
Net Release	170 MCF GAS 5 bbls Pipeline Liquids				
Nearest Waterway	8.7 miles West of the location				
Depth to Groundwater	Estimated to be 168				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	0				
SMA Response Dates	9/21/16				
Subcontractors	NMR				
Disposal Facility	NMOCD Approve Facility				
Estimated Yd <sup>3</sup> Contaminated Soil Excavated and Disposed	120				



Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

## TABLE 2

# SUMMARY OF FIELD SCREENING RESULTS



Sample Event  
9/21/16

FIELD SCREENING RESULTS SUMMARY						
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Reading	Chlorides Results (EC)	Lab Sample Collected Y/N
9/21/2016	11:00	L1	5'	ND	0	Y
9/21/2016	11:00	L2	5'	ND	0	Y
9/21/2016	11:00	L3	5'	ND	20	Y
9/21/2016	11:00	SW1	2.5'	ND	0	Y
9/21/2016	11:00	SW2	2.5'	ND	0	Y
9/21/2016	11:00	SW3	2.5'	ND	0	Y



Pipeline ROW, Crossover Line  
Closure Report

October 10, 2016  
SMA #5B25299-BG8

# TABLE 3

## SUMMARY OF LABORATORY ANALYSES

Sample Event  
9/21/16**Table 3: Summary of Laboratory Analyses**

Analytical Report- 1609E06	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
NMOCD Site Ranking: 0				50 ppm	10 ppm	5000 ppm		
1609E06-001	L1	9/21/2016	5'	<0.096	<0.024	<4.8	<9.4	<30
1609E06-002	L2	9/21/2016	5'	<0.098	<0.025	<4.9	<9.8	<30
1609E06-003	L3	9/21/2016	5'	<0.098	<0.025	<4.9	<9.6	<30
1609E06-004	SW1	9/21/2016	2.5'	<0.098	<0.024	<4.9	<9.6	<30
1609E06-005	SW2	9/21/2016	2.5'	<0.095	<0.024	<4.7	<9.9	<30
1609E06-006	SW3	9/21/2016	2.5'	<0.095	<0.024	<4.8	<9.6	<30
1609E06-007	BG	9/21/2016	5'	<0.097	<0.024	<4.8	<9.5	<30



Pipeline ROW, Crossover Line  
Closure Report

October 10, 2016  
SMA #5B25299-BG8

# APPENDIX A

## LABORATORY ANALYTICAL REPORTS



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)

October 10, 2016

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: Crossover

OrderNo.: 1609E06

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/23/2016 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 qualifers 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 horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: L1

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-001

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	9/30/2016 11:51:27 PM	27819
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/28/2016 5:12:44 PM	27738
Surr: DNOP	103	70-130		%Rec	1	9/28/2016 5:12:44 PM	27738
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/27/2016 2:05:24 PM	27715
Surr: BFB	82.0	68.3-144		%Rec	1	9/27/2016 2:05:24 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	9/27/2016 2:05:24 PM	27715
Toluene	ND	0.048		mg/Kg	1	9/27/2016 2:05:24 PM	27715
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2016 2:05:24 PM	27715
Xylenes, Total	ND	0.096		mg/Kg	1	9/27/2016 2:05:24 PM	27715
Surr: 4-Bromofluorobenzene	94.6	80-120		%Rec	1	9/27/2016 2:05:24 PM	27715

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

Page 1 of 12



## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: L2

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-002

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	10/1/2016 12:28:41 AM	27819
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 5:34:29 PM	27746
Surr: DNOP	103	70-130		%Rec	1	9/28/2016 5:34:29 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/27/2016 3:16:04 PM	27715
Surr: BFB	80.6	68.3-144		%Rec	1	9/27/2016 3:16:04 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/27/2016 3:16:04 PM	27715
Toluene	ND	0.049		mg/Kg	1	9/27/2016 3:16:04 PM	27715
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2016 3:16:04 PM	27715
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2016 3:16:04 PM	27715
Surr: 4-Bromofluorobenzene	93.4	80-120		%Rec	1	9/27/2016 3:16:04 PM	27715

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

Page 2 of 12

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: L3

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-003

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	9/30/2016 2:57:44 PM	27819
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2016 6:39:20 PM	27746
Surr: DNOP	105	70-130		%Rec	1	9/28/2016 6:39:20 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2016 2:24:32 PM	27715
Surr: BFB	87.2	68.3-144		%Rec	1	9/28/2016 2:24:32 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/27/2016 7:33:57 PM	27715
Toluene	ND	0.049		mg/Kg	1	9/27/2016 7:33:57 PM	27715
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2016 7:33:57 PM	27715
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2016 7:33:57 PM	27715
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	1	9/27/2016 7:33:57 PM	27715

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

Page 3 of 12

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: SW1

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-004

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	9/30/2016 3:10:09 PM	27819
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2016 7:00:59 PM	27746
Surr: DNOP	111	70-130		%Rec	1	9/28/2016 7:00:59 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2016 2:48:41 PM	27715
Surr: BFB	84.3	68.3-144		%Rec	1	9/28/2016 2:48:41 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	9/27/2016 7:57:17 PM	27715
Toluene	ND	0.049		mg/Kg	1	9/27/2016 7:57:17 PM	27715
Ethylbenzene	ND	0.049		mg/Kg	1	9/27/2016 7:57:17 PM	27715
Xylenes, Total	ND	0.098		mg/Kg	1	9/27/2016 7:57:17 PM	27715
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	9/27/2016 7:57:17 PM	27715

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

Page 4 of 12

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: SW2

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-005

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LGT</b>
Chloride	ND	30		mg/Kg	20	10/1/2016 6:03:51 AM	27819
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2016 7:22:29 PM	27746
Surr: DNOP	98.3	70-130		%Rec	1	9/28/2016 7:22:29 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/28/2016 3:12:48 PM	27715
Surr: BFB	88.0	68.3-144		%Rec	1	9/28/2016 3:12:48 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	9/27/2016 8:20:41 PM	27715
Toluene	ND	0.047		mg/Kg	1	9/27/2016 8:20:41 PM	27715
Ethylbenzene	ND	0.047		mg/Kg	1	9/27/2016 8:20:41 PM	27715
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2016 8:20:41 PM	27715
Surr: 4-Bromofluorobenzene	94.5	80-120		%Rec	1	9/27/2016 8:20:41 PM	27715

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

Page 5 of 12

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: SW3

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-006

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	10/3/2016 10:27:01 PM	27860
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2016 7:44:28 PM	27746
Surr: DNOP	132	70-130	S	%Rec	1	9/28/2016 7:44:28 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2016 3:37:05 PM	27715
Surr: BFB	87.4	68.3-144		%Rec	1	9/28/2016 3:37:05 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	9/27/2016 8:44:05 PM	27715
Toluene	ND	0.048		mg/Kg	1	9/27/2016 8:44:05 PM	27715
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2016 8:44:05 PM	27715
Xylenes, Total	ND	0.095		mg/Kg	1	9/27/2016 8:44:05 PM	27715
Surr: 4-Bromofluorobenzene	92.9	80-120		%Rec	1	9/27/2016 8:44:05 PM	27715

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

Page 6 of 12

## Analytical Report

Lab Order 1609E06

Date Reported: 10/10/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: B6

Project: Crossover

Collection Date: 9/21/2016 10:00:00 AM

Lab ID: 1609E06-007

Matrix: SOIL

Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	10/3/2016 11:29:05 PM	27860
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/28/2016 8:05:51 PM	27746
Surr: DNOP	95.4	70-130		%Rec	1	9/28/2016 8:05:51 PM	27746
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2016 4:01:16 PM	27715
Surr: BFB	86.3	68.3-144		%Rec	1	9/28/2016 4:01:16 PM	27715
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	9/27/2016 9:07:30 PM	27715
Toluene	ND	0.048		mg/Kg	1	9/27/2016 9:07:30 PM	27715
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2016 9:07:30 PM	27715
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2016 9:07:30 PM	27715
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	9/27/2016 9:07:30 PM	27715

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

Page 7 of 12



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**WO#: **1609E06****10-Oct-16****Client:** Souder, Miller & Associates**Project:** Crossover

Sample ID <b>MB-27819</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>	Batch ID: <b>27819</b>			RunNo: <b>37619</b>						
Prep Date: <b>9/30/2016</b>	Analysis Date: <b>9/30/2016</b>			SeqNo: <b>1170968</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-27819</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>27819</b>			RunNo: <b>37619</b>						
Prep Date: <b>9/30/2016</b>	Analysis Date: <b>9/30/2016</b>			SeqNo: <b>1170969</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	94.7	90	110			

Sample ID <b>MB-27860</b>	SampType: <b>mblk</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>	Batch ID: <b>27860</b>			RunNo: <b>37656</b>						
Prep Date: <b>10/3/2016</b>	Analysis Date: <b>10/3/2016</b>			SeqNo: <b>1172612</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-27860</b>	SampType: <b>lcs</b>			TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>27860</b>			RunNo: <b>37656</b>						
Prep Date: <b>10/3/2016</b>	Analysis Date: <b>10/3/2016</b>			SeqNo: <b>1172613</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	95.6	90	110			

**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

Page 8 of 12

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 1609E06

10-Oct-16

**Client:** Souder, Miller & Associates**Project:** Crossover

Sample ID <b>MB-27746</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>27746</b>			RunNo: <b>37493</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1166916</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	9.7		10.00		96.8	70	130			

Sample ID <b>LCS-27746</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>27746</b>			RunNo: <b>37493</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1166919</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	62.6	124			
Surr: DNOP	4.8		5.000		96.9	70	130			

Sample ID <b>MB-27738</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>27738</b>			RunNo: <b>37494</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1167146</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	8.7		10.00		87.1	70	130			

Sample ID <b>LCS-27738</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>27738</b>			RunNo: <b>37494</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1167147</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	62.6	124			
Surr: DNOP	4.6		5.000		91.2	70	130			

Sample ID <b>1609E06-002AMS</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>L2</b>	Batch ID: <b>27746</b>			RunNo: <b>37524</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1167655</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	49.85	0	106	33.9	141			
Surr: DNOP	4.8		4.985		95.9	70	130			

Sample ID <b>1609E06-002AMSD</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>L2</b>	Batch ID: <b>27746</b>			RunNo: <b>37524</b>						
Prep Date: <b>9/27/2016</b>	Analysis Date: <b>9/28/2016</b>			SeqNo: <b>1167656</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**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

Page 9 of 12

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609E06  
10-Oct-16

Client: Souder, Miller & Associates  
Project: Crossover

Sample ID	1609E06-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics						
Client ID:	L2	Batch ID:	27746	RunNo:	37524						
Prep Date:	9/27/2016	Analysis Date:	9/28/2016	SeqNo:	1167656	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52	9.4	47.08	0	110	33.9	141	1.92	20		
Surr: DNOP	5.0		4.708		107	70	130	0	0		

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

Page 10 of 12

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 1609E06

10-Oct-16

**Client:** Souder, Miller & Associates**Project:** Crossover

Sample ID <b>MB-27715</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166622</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	810		1000		80.6	68.3	144			

Sample ID <b>LCS-27715</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166623</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	74.6	123			
Surr: BFB	880		1000		87.9	68.3	144			

Sample ID <b>1609E06-002AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>L2</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166630</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.8	24.13	0	115	59.3	143			
Surr: BFB	880		965.3		91.0	68.3	144			

Sample ID <b>1609E06-002AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>L2</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166631</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	23.99	0	114	59.3	143	1.70	20	
Surr: BFB	870		959.7		90.4	68.3	144	0	0	

**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

Page 11 of 12

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 1609E06

10-Oct-16

**Client:** Souder, Miller & Associates**Project:** Crossover

Sample ID <b>MB-27715</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166642</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	0.95		1.000		94.8	80	120			

Sample ID <b>LCS-27715</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166643</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	75.3	123			
Toluene	0.98	0.050	1.000	0	98.4	80	124			
Ethylbenzene	1.0	0.050	1.000	0	101	82.8	121			
Xylenes, Total	3.0	0.10	3.000	0	100	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID <b>1609E06-001AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>L1</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166648</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	0.9990	0	86.8	71.5	122			
Toluene	0.96	0.050	0.9990	0	95.7	71.2	123			
Ethylbenzene	1.0	0.050	0.9990	0	101	75.2	130			
Xylenes, Total	3.0	0.10	2.997	0	102	72.4	131			
Surr: 4-Bromofluorobenzene	1.0		0.9990		101	80	120			

Sample ID <b>1609E06-001AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>L1</b>	Batch ID: <b>27715</b>		RunNo: <b>37497</b>							
Prep Date: <b>9/26/2016</b>	Analysis Date: <b>9/27/2016</b>		SeqNo: <b>1166649</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.75	0.024	0.9588	0	77.8	71.5	122	15.0	20	
Toluene	0.90	0.048	0.9588	0	93.4	71.2	123	6.53	20	
Ethylbenzene	0.99	0.048	0.9588	0	104	75.2	130	1.31	20	
Xylenes, Total	3.0	0.096	2.876	0	104	72.4	131	1.82	20	
Surr: 4-Bromofluorobenzene	0.99		0.9588		103	80	120	0	0	

**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

Page 12 of 12



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: SMA-CARLSBAD

Work Order Number: 1609E06

RcptNo: 1

Received by/date:

AS

09/23/16

Logged By: Lindsay Mangin

9/23/2016 9:20:00 AM

Completed By: Lindsay Mangin

9/25/2016 12:15:25 PM

Reviewed By:

JC 09/26/16

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: ( <2 or >12 unless noted )
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted?
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by:

### Special Handling (if applicable)

16. 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:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.4	Good	Yes			



**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

UNIFORM-CUSTOMER RETURN					
Client: SMA		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		Project Name:	
Mailing Address: Carlsgard				Cross over	
Phone #:		Project #:		Project Manager:	
email or Fax#:		QA/QC Package:		Sampler: <i>Asm Weyant</i>	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		Accreditation:		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other		Sample Request ID		Sample Temperature: 4,40C	
Date	Time	Matrix	Container Type and #	Preservative Type	HEAL No.
-2-1-76	1000	Ser 1	L1	T	-001
			L2		-002
			L3		-003
			SW 1		-004
			SW 2		-005
			SW 3		-006
			BG		-007
Date: -2-1-76	Time: 6:00	Relinquished by: <i>[Signature]</i>	Received by: <i>asm Weyant</i>	Date: 09/23/16	Time: 0000
Date:	Time:	Relinquished by:	Received by:	Date:	Time:

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.

Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

# APPENDIX B

## FORM C141 INITIAL & FINAL

## NM OIL CONSERVATION

ARTESIA DISTRICT

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

AUG 17 2016

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.

RECEIVED

PAB1023155458

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company <i>Enterprise Field Services LLC</i>	Contact <i>Alena Miro</i>
<i>PO Box 4324, Houston, TX 77210</i>	Telephone No. <i>575-706-4926</i>
Facility Name <i>Pipeline ROW, Crossover Line</i>	Facility Type: <i>Gas Gathering Pipeline</i>

Surface Owner <i>BLM</i>	Mineral Owner <i>NA - Pipeline</i>	Lease No. <i>NA</i>
--------------------------	------------------------------------	---------------------

## LOCATION OF RELEASE

Unit Letter <i>M</i>	Section <i>21</i>	Township <i>23S</i>	Range <i>31E</i>	Feet from the <i>650</i>	North/South Line <i>North</i>	Feet from the <i>20</i>	East/West Line <i>East</i>	County <i>Eddy</i>
-------------------------	----------------------	------------------------	---------------------	-----------------------------	----------------------------------	----------------------------	-------------------------------	-----------------------

Latitude: 32.608424 Longitude: W-104.151735

## NATURE OF RELEASE

Type of Release <i>Natural Gas and pipeline liquid</i>	Volume of Release: <i>170 MCF gas/ 5 bbl liquids</i>	Volume Recovered: <i>N/A</i>
Source of Release <i>Pipeline Leak</i>	Date and Hour of Occurrence <i>8/14/2016 @ 18:45 MST</i>	Date and Hour of Discovery <i>8/14/2016 @ 22:00 MST</i>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.*		

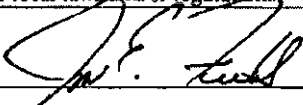
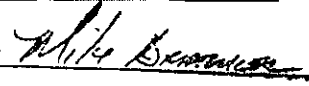
Describe Cause of Problem and Remedial Action Taken.\*

*Natural gas and pipeline liquid was released due to a pipeline leak. Pipeline segment was isolated, blown down, and repaired following standard one-call. Approximately 5 bbls of liquid released.*

Describe Area Affected and Cleanup Action Taken.\*

*A liquid spill of approximately 5 bbl of pipeline liquids as part of the leak. All liquids were confined to the right of way. Remediation actions will follow the Enterprise Products, General Release Notification, Response and Remediation Plan (March 9, 2015).*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: <i>Jon E. Fields</i>	Signed By  Approved by District Supervisor:	
Title: <i>Director, Field Environmental</i>	Approval Date: <i>8/18/16</i>	Expiration Date: <i>N/A</i>
E-mail Address: <i>jefields@eprod.com</i>	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> Attached <input type="checkbox"/>	
Date: <i>8/17/2016</i> Phone: <i>713-381-6684</i>	SUBMIT REMEDIATION PROPOSAL NO LATER THAN: <i>9/19/16</i>	

\* Attach Additional Sheets If Necessary

2RP-3835

Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

# APPENDIX C

## OSE WATER COLUMN DATA



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02954 EXPL</a>			ED	3	1	4	20	23S	31E	613114	3572906*	1080	905		
<a href="#">C 02348</a>	C		ED	1	4	3	26	23S	31E	617648	3571068	3821	700	430	270
<a href="#">C 02258</a>	C		ED		3	2	26	23S	31E	618055	3571853*	3973	662		
<a href="#">C 02661</a>			ED	3	3	1	04	24S	31E	613969	3568485*	4143	708		
<a href="#">C 02785</a>			ED	3	3	1	04	24S	31E	613969	3568485*	4143	692		
<a href="#">C 02777</a>	CUB		ED	4	4	4	10	23S	31E	616974	3575662	4143	890		
<a href="#">C 03749 POD1</a>	CUB	LE		3	4	4	07	23S	32E	616974	3575662	4143	865	639	226
<a href="#">C 02783</a>	CUB	ED		3	3	1	04	24S	31E	613911	3568461	4169	708		
<a href="#">C 02783 POD2</a>	C		ED	3	3	1	04	24S	31E	613911	3568461	4169	672		
<a href="#">C 02784</a>	C		ED	4	2	4	04	24S	31E	613911	3568461	4169	584		
<a href="#">C 02492 POD2</a>	C		ED	3	2	2	07	23S	31E	611767	3576996	4982	400	125	275
<a href="#">C 02774</a>			ED	3	1	3	04	23S	31E	613857	3577745*	5129	1660		
<a href="#">C 02492</a>			ED	4	4	4	06	23S	31E	612056	3577320*	5144	135	85	50
<a href="#">C 02865</a>			ED	4	4	4	06	23S	31E	612056	3577320*	5144	174		
<a href="#">C 03140</a>			ED	4	2	4	04	23S	31E	615266	3577758*	5252	684		
<a href="#">C 03351</a>	C		ED	4	1	4	04	23S	31E	614917	3577861	5292	320	168	152
<a href="#">C 02405</a>	C		ED		4	1	02	24S	31E	617690	3568631*	5331	275	160	115
<a href="#">C 02464</a>	C		ED	3	4	1	02	24S	31E	617589	3568530*	5342	320	205	115
<a href="#">C 02773</a>			ED	4	1	3	03	23S	31E	615668	3577762*	5355	880		
<a href="#">C 03520 POD1</a>	C		ED	3	1	1	07	23S	31E	610733	3576905	5482	500		
<a href="#">C 02664</a>			ED	3	3	2	05	23S	31E	613049	3578138*	5624	4291	354	3937
<a href="#">C 02460</a>	C		ED		3	02	24S	31E	617496	3568022*	5685	320			
<a href="#">C 02460 POD2</a>	C		ED		3	02	24S	31E	617496	3568022*	5685	320			
<a href="#">C 03222 EXPLORE</a>			ED	1	1	4	12	23S	30E	609833	3576349*	5707	365		
<a href="#">C 02440</a>	C		ED		2	3	10	24S	31E	616103	3566599*	6331	350		
<a href="#">C 02776</a>			ED	2	1	1	05	23S	31E	612440	3578731*	6343	661		

\*UTM location was derived from PLSS - see Help



(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03139</a>			ED	4	2	4	01	23S	30E	610424	3577764*	6352	425		
<a href="#">C 02725</a>			ED	1	1	1	05	23S	31E	612240	3578731*	6400	532		
<a href="#">C 02775</a>			ED	1	1	1	05	23S	31E	612240	3578731*	6400	529		
<a href="#">C 02772 POD1</a>	C		ED	4	4	1	14	23S	30E	608043	3574840	6502	300		
<a href="#">C 02770</a>			ED	4	4	1	14	23S	30E	608004	3574921*	6567	286		
<a href="#">C 02771</a>			ED	1	2	3	14	23S	30E	607807	3574718*	6686	295		
<a href="#">C 02767</a>			ED	4	1	4	33	22S	31E	614844	3579360*	6771	785		
<a href="#">C 02768</a>			ED	4	1	4	33	22S	31E	614844	3579360*	6771	787		
<a href="#">C 02769 POD2</a>	C		ED	4	2	4	33	22S	31E	615261	3579312	6778	753	428	325
<a href="#">C 02687</a>			ED	4	2	4	33	22S	31E	615246	3579364*	6827	779		
<a href="#">C 02769</a>	C		ED	2	2	4	33	22S	31E	615246	3579564*	7025	765		
<a href="#">C 03559 POD5</a>	CUB		ED	4	3	2	01	23S	30E	609912	3578236	7036	50		
<a href="#">C 03559 POD1</a>	CUB		ED	4	3	2	01	23S	30E	609928	3578260	7046	50	0	50
<a href="#">C 03559 POD2</a>	CUB		ED	4	3	2	01	23S	30E	609928	3578260	7046	25	0	25
<a href="#">C 03559 POD3</a>	CUB		ED	4	3	2	01	23S	30E	609928	3578260	7046	20	0	20
<a href="#">C 03559 POD4</a>	CUB		ED	4	3	2	01	23S	30E	609928	3578260	7046	25	0	25
<a href="#">C 02417</a>			ED	4	4	4	29	22S	31E	613623	3580554*	7948	681		

Average Depth to Water: **199 feet**

Minimum Depth: **0 feet**

Maximum Depth: **639 feet**

Record Count: 43

#### UTM NAD83 Radius Search (in meters):

**Easting (X):** 614156.82

**Northing (Y):** 3572623.85

**Radius:** 8000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/4/16 2:10 PM

Page 2 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

Pipeline ROW, Crossover Line  
Closure Report

October 19, 2016  
SMA #5B25299-BG8

# APPENDIX C

## WASTE MANIFEST

Cross over

**LEA LAND DISPOSAL SITE NEW MEXICO**

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

**LEA LAND, LLC**

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

**NON-HAZARDOUS WASTE MANIFEST**

NO

116007

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

G  
E  
N  
E  
R  
A  
T  
O  
R

## 3. COMPANY NAME

Enterprise Field Services LLC

## PHONE NO.

(575) 985-7238

## 4. ADDRESS

P O BOX 1509

## CITY

Carlsbad

## STATE

NM 88221

## ZIP

## 5. PICK-UP DATE

10/27/2016

## 6. TNRCC I.D. NO.

## 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a.

b.

c.

d.

46,020 49140 32280

## 8. CONTAINERS

No.

Type

## 9. TOTAL

QUANTITY

## 10. UNIT

Wt/Vol.

## 11. TEXAS

WASTE ID #

## 12. COMMENTS OR SPECIAL INSTRUCTIONS:

CROSSOVER

## 13. WASTE PROFILE NO.

A

T

## 14.

**IN CASE OF EMERGENCY OR SPILL, CONTACT**

## NAME

## PHONE NO

## 24-HOUR EMERGENCY NO.

Fun Slaughter

(575) 887-4048

O

R

**15. GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

T  
R  
A  
N  
S  
P  
O  
R  
T  
E  
R  
S

## 16.

**TRANSPORTER (1)**

## NAME:

NEW MEXICO RENTALS

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

ALLEN WALKER

(575) 942-1257

## 17.

**TRANSPORTER (2)**

## NAME:

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

Jose Sotelo Jr

## SIGNATURE

[Signature]

## DATE

10/27/2016

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

D  
I  
S  
P  
O  
S  
I  
T  
I  
O  
N

Lea Land, LLC

## ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

## PHONE:

575-887-4048

## PERMIT NO.

WM-01-035 - New Mexico

## 20. COMMENTS

**21. DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

## AUTHORIZED SIGNATURE

[Signature]

## CELL NO.

## DATE

10/27/2016

## TIME

8:55



**LEA LAND DISPOSAL SITE NEW MEXICO**

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

**LEA LAND, LLC**

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

**NON-HAZARDOUS WASTE MANIFEST**

NO

**116007**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **28****G  
E  
N  
E  
R  
A  
T  
O  
R****3. COMPANY NAME**

Enterprise Field Services LLC

**PHONE NO.**

157518357238

**4. ADDRESS**

P.O. BOX 1508

**CITY**

Carlsbad

**STATE**

NM 88221

**ZIP****5. PICK-UP DATE**

10/27/2018

**6. TNRCC I.D. NO.****7. NAME OR DESCRIPTION OF WASTE SHIPPED:**

a.

b.

c.

d.

**46,020 49140 32280****8. CONTAINERS**

No.

Type

**9. TOTAL**

QUANTITY

**10. UNIT**

Wt/Vol.

**11. TEXAS**

WASTE ID #

**12. COMMENTS OR SPECIAL INSTRUCTIONS:**

CROSSOVER

**13. WASTE PROFILE NO.**

14.

**IN CASE OF EMERGENCY OR SPILL, CONTACT****NAME****PHONE NO****24-HOUR EMERGENCY NO.**

Jim Slaughter

575-887-1019

**15. GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

**R****PRINTED/TYPED NAME****SIGNATURE****DATE****T  
R  
A  
N  
S  
P  
O  
R  
T  
E  
R  
S**

16.

**TRANSPORTER (1)****NAME:**

NEW MEXICO RENTALS

**TEXAS I.D. NO.****IN CASE OF EMERGENCY CONTACT:****EMERGENCY PHONE:**

ALLEN WALKER

10751912-1257

17.

**TRANSPORTER (2)****NAME:****TEXAS I.D. NO.****IN CASE OF EMERGENCY CONTACT:****EMERGENCY PHONE:****18. TRANSPORTER (1): Acknowledgment of receipt of material****19. TRANSPORTER (2): Acknowledgment of receipt of material****PRINTED/TYPED NAME**

Jose Solis Sr

**PRINTED/TYPED NAME****SIGNATURE**

[Signature]

**DATE**

10/27/2018

**SIGNATURE**

[Signature]

**DATE****D  
I  
S  
P  
O  
S  
I  
T  
O  
R  
Y**

Lea Land, LLC

**ADDRESS:**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**PHONE:**

575-887-4048

**PERMIT NO.**

WM-01-035 - New Mexico

**20. COMMENTS**

**21. DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

**AUTHORIZED SIGNATURE**

[Signature]

**CELL NO.**

[Signature]

**DATE**

10/27/2018

**TIME**

8:55

CROSSOVER

## LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

## NON-HAZARDOUS WASTE MANIFEST

NO

116009

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. 3420

GENERATOR'S

## 3. COMPANY NAME

Enterprise Field Services LLC

## PHONE NO.

(575) 805-7236

## 4. ADDRESS

P.O. BOX 1609

## CITY

Carlsbad

## STATE

NM 88221

## ZIP

## 5. PICK-UP DATE

10/27/2016

## 6. TNRCC I.D. NO.

## 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. OIL FIELD WASTE, FROM OIL FIELD IN NEW MEXICO

b.

c.

d.

## 12. COMMENTS OR SPECIAL INSTRUCTIONS:

CROSSOVER

## 8. CONTAINERS

No.

Type

## 9. TOTAL

QUANTITY

## 10. UNIT

Wt/Vol.

## 11. TEXAS

WASTE ID #

A

T

O

R

## 14.

## IN CASE OF EMERGENCY OR SPILL, CONTACT

## NAME

Jim Slaughter

## PHONE NO.

575-887-4048

## 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

TRANSPORTERS

## 16.

## TRANSPORTER (1)

## NAME:

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

## 17.

## TRANSPORTER (2)

## NAME:

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

DISPOSAL SITE

Lea Land, LLC

## ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

## PHONE:

575-887-4048

## PERMIT NO.

WM-01-035 - New Mexico

## 20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

## AUTHORIZED SIGNATURE

## CELL NO.

## DATE

## TIME



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CROSSOVER

Triple T

### NON-HAZARDOUS WASTE MANIFEST

NO

115976

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

45

G  
E  
N  
E  
R  
A  
T  
O  
R  
  
T  
R  
A  
N  
S  
P  
O  
R  
T  
E  
R  
  
D  
I  
S  
P  
O  
S  
I  
T  
Y

3. COMPANY NAME

Enterprise Field Services LLC

PHONE NO.

(575) 887-7230

4. ADDRESS

P.O. BOX 1508

CITY

Carlsbad

STATE

NM 88221

ZIP

5. PICK-UP DATE

10/25/2018

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a.

b.

c.

d.

12. COMMENTS OR SPECIAL INSTRUCTIONS:

CROSSOVER

8. CONTAINERS

No.

Type

9. TOTAL

QUANTITY

10. UNIT

Wt/Vol.

11. TEXAS

WASTE ID #

13. WASTE PROFILE NO.

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

Allen Walker

PHONE NO

(575) 887-4048

24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

16. **TRANSPORTER (1)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D  
I  
S  
P  
O  
S  
I  
T  
Y

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Sancho Gonzalez

CELL NO.

DATE

10/25/2018

TIME

3:45

CROSSOVER

## LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Waters Con #28

## NON-HAZARDOUS WASTE MANIFEST

NO

115978

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. #28

GENERATOR

## 3. COMPANY NAME

Enterprise Field Services LLC

## PHONE NO.

(575) 885-7236

## 4. ADDRESS

P.O. BOX 1508

## CITY

Carlsbad

## STATE

NM 88221

## ZIP

## 5. PICK-UP DATE

10/26/2016

## 6. TNRCC I.D. NO.

TRANSPORTER

## 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated Non-Hazardous Waste

b. 46,720

c.

d. 35,700 45,480 45,420

## 8. CONTAINERS

No.

Type

## 9. TOTAL

QUANTITY

## 10. UNIT

Wt/Vol.

## 11. TEXAS

WASTE ID #

IN CASE OF EMERGENCY OR SPILL, CONTACT

## 14.

## NAME

Kin Siligiter

## PHONE NO.

575-817-1049

## 24-HOUR EMERGENCY NO.

GENERATOR'S CERTIFICATION

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

TRANSPORTER (1)

## 16.

## TRANSPORTER (1)

## NAME:

NEW MEXICO RENTALS

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

(575) 912-1357

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

Jose Sotelo Jr

## SIGNATURE

Jose Sotelo Jr

## DATE

10/26/2016

## 17.

## TRANSPORTER (2)

## NAME:

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

DISPOSAL FACILITY'S CERTIFICATION

Lea Land, LLC

## ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

## PHONE:

575-887-4048

## PERMIT NO.

WM-01-035 - New Mexico

## 20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

## AUTHORIZED SIGNATURE

Sotelo Jr

## CELL NO.

/

## DATE

10/26/2016

## TIME

8:20



CROSSOVER

## LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

## NON-HAZARDOUS WASTE MANIFEST

NO

115978

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. 28

GENERATOR'S E N E R A T O R	3. COMPANY NAME Enterprise Field Services LLC		4. ADDRESS P.O. BOX 1508 Carlsbad NM 88221		5. PICK-UP DATE 10/26/2018	
	PHONE NO. 1575-885-7238		CITY	STATE	ZIP	6. TNRCC I.D. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type	9. TOTAL QUANTITY
	a. Non-Regulated, Non-Hazardous Waste					
	b. 46,720					
TRANSPORTER'S T R A N S P O R T E R S	c.					
	d. 35,700 45,180 45,420					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: CROSSOVER				13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME Kim Slaughter		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
DISPOSAL F A C I L I T Y	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME			SIGNATURE		DATE
	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
	NAME: NEW MEXICO RENTALS			NAME:		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: (575) 912-1257			IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:			
18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material			
PRINTED/TYPED NAME Jose Sotelo Jr			PRINTED/TYPED NAME			
SIGNATURE Jose Sotelo Jr DATE 10/26/2018			SIGNATURE DATE			
Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		
PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
AUTHORIZED SIGNATURE Santa Gonzalez		CELL NO.		DATE 10/26/2018	TIME 5:20	

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

116010

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. 127

G  
E  
N  
E  
R  
A  
T  
O  
R

3. COMPANY NAME

Enterprise Field Services LLC

PHONE NO.

(575) 887-7218

4. ADDRESS

P.O. BOX 1508

CITY

Carlsbad

STATE

NM 88221

ZIP

5. PICK-UP DATE

04/27/2018

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Hazardous Waste

b.

c.

d.

12. COMMENTS OR SPECIAL INSTRUCTIONS:

CROSSOVER

8. CONTAINERS

No.

Type

9. TOTAL

QUANTITY

10. UNIT

Wt/Vol.

11. TEXAS

WASTE ID #

A

T

O

R

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO.

24-HOUR EMERGENCY NO.

Pete Simpson

575-887-4048

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

T  
R  
A  
N  
S  
P  
O  
R  
T  
E  
R  
S

16.

### TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

17.

### TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

D  
I  
S  
P  
O  
S  
I  
T  
O  
R  
Y

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

116009

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. 3450

G

## 3. COMPANY NAME

Enterprise Field Services LLC

## 4. ADDRESS

P.O. BOX 1909

## 5. PICK-UP DATE

10/27/2018

## PHONE NO.

575-887-7236

## CITY

Carlsbad

## STATE

NM 88521

## ZIP

## 6. TNRCC I.D. NO.

E

## 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

## 8. CONTAINERS

No.

Type

## 9. TOTAL

QUANTITY

## 10. UNIT

Wt/Vol.

## 11. TEXAS

WASTE ID #

N

a.

E

b.

R

c.

## 12. COMMENTS OR SPECIAL INSTRUCTIONS:

CROSSOVER

## 13. WASTE PROFILE NO.

A

T

## 14.

## IN CASE OF EMERGENCY OR SPILL, CONTACT

## NAME

## PHONE NO.

## 24-HOUR EMERGENCY NO.

O

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

T

## 16.

## TRANSPORTER (1)

## NAME:

## TEXAS I.D. NO.

## IN CASE OF EMERGENCY CONTACT:

## EMERGENCY PHONE:

R

## 18. TRANSPORTER (1): Acknowledgment of receipt of material

## PRINTED/TYPED NAME

## SIGNATURE

## DATE

D

F  
I  
S  
C  
P  
I  
O  
L  
S  
I  
A  
T  
Y

Lea Land, LLC

## ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

## PHONE:

575-887-4048

## PERMIT NO.

WM-01-035 - New Mexico

## 20. COMMENTS

D

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

## AUTHORIZED SIGNATURE

## CELL NO.

## DATE

## TIME

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 206738

CONDITIONS

Operator: ENTERPRISE PRODUCTS OPERATING, LLC P.O. BOX 4324 HOUSTON, TX 77210	OGRID: 374092
	Action Number: 206738
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	4/12/2023