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

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**

	0	PERAT	<b>FOR</b>		🔲 Init	al Report	$\boxtimes$	Final Rep	
Name of Company Enterprise Field Services, LLC		ontact	Alena Mi						
PO Box 4324, Houston, TX 77210		Telephone No. 575-628-6802							
Facility Name Pipeline ROW, Chinaberry	Fa	cility Typ	e: Gas Gathe	ering Pi	peline				
Surface Owner BLM Mineral O	Owner A	VA - Pipel	line		Lease	No. NA		1.1	
LOCA	ATION	OF REI	LEASE					e e to final	
Init LetterSectionTownshipRangeFeet from theJ823S26E190	North/So Sol		Feet from the 630	r	West Line <i>West</i>	County Eddy		1997 - AK	
Latitude: <u>N 32.</u>	<u>315795</u>	Longitud	le: <u><i>W-104.313</i></u>	<u> 3611</u>				, Madaga	
NAT	<b>FURE O</b>	F RELE	EASE						
ype of Release Natural Gas and pipeline liquid		Volume of ass/ 5 bbl li	Release: 102 M	<i>ICF</i>	Volume	Recovered:	N/A	an	
ource of Release Pipeline Leak	I	Date and H	our of Occurren a) 12:30 MST	ice		Hour of Dis		<u></u>	
Vas Immediate Notice Given?		f YES, To			0/12/201	<u>6 @ 12:30 N</u>	61		
🗌 Yes 🗌 No 🖾 Not R		,							
y Whom?		Date and He						a 80 a	
Vas a Watercourse Reached?	Ī	f YES, Vol	lume Impacting	the Wat	ercourse.				
🗌 Yes 🛛 No									
a Watercourse was Impacted, Describe Fully.*									
								0.14613	
hereby certify that the information given above is true and comp gulations all operators are required to report and/or file certain n ublic health or the environment. The acceptance of a C-141 repo- nould their operations have failed to adequately investigate and n the environment. In addition, NMOCD acceptance of a C-141	release notifi ort by the NI remediate co	ications and MOCD ma ontaminatio	d perform correct rked as "Final R on that pose a thr	ctive acti Report" d reat to gr	ons for rele oes not reli ound water	eases which eve the oper , surface wa	may en ator of ter, hun	danger liability nan health	
deral, state, or local laws and/or regulations.			and operator of	response	511109 101 0		iai aiy	outor	
			<u>OIL CON</u>	SERV	ATION	DIVISIO	N		
ignature: /// Kull rinted Name: Jon E. Fields	App	proved by I	District Supervis	sor:	Ash	ley Ma	fw	ell .	
itle: Director, Field Environmental	Арр	oroval Date	4/12/2023	3	Expiration I	Date:		Į.	
-mail Address: jefields@eprod.com	Con	ditions of A	Approval:			Attached			
ate: 3/80/2017 Phone: 713-381-6684									
tach Additional Sheets If Necessary									
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Souder, Miller & Associates•201 S. Halagueno St.•Carlsbad, NM 88220 (575) 689-7040

## SOIL REMEDIATION FINAL CLOSURE FOR INCIDENT 2RP-3836

ENTERPRISE FIELD SERVICES LLC PIPELINE ROW, CHINABERRY

UL A, SECTION 29, T23S R26E, NMPM EDDY COUNTY, NM MARCH 7, 2017



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



## **Table of Contents**

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Soil Remediation Summary	1
Conclusions and Recommendations	2
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	Site Ranking and Land Jurisdiction Assessment and Initial Results Soil Remediation Summary Conclusions and Recommendations

## Figures:

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

## Tables:

Table 1: Release Information and Site RankingTable 2: Summary Field Screening ResultsTable 3: Summary of Laboratory Analyses

### **Appendices:**

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

March 7, 2017 SMA #5B25299-BG7

### 1.0 Introduction

On behalf of Enterprise Field Services, 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, Chinaberry. The site is located in Section 29, Township 23S, Range 26E 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 9 miles north of Black River, with an elevation of approximately 3,356 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be 90 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 10 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 1000 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, SMA field personnel assessed the release area with a track hoe from NMR Pipeline, LLC, Photo Ionization Detector (PID), and a mobile chlorides titration kit (EPA method 9045D). The potentially affected area was found to be approximately 60 feet long and 10 feet wide. The site delineation samples were collected to depths of six 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 for Total Chlorides using EPA Method 300.0, EPA Method 8015 GRO/DRO, and EPA Method 8021 BTEX.

### 4.0 Soil Remediation Summary

Excavation of affected soils began on 09/21/16, 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 6 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 114 cubic yards of chloride contaminated soil was removed and replaced with 114

March 7, 2017 SMA #5B25299-BG7

cubic yards of clean backfill material in the excavation. The backfill of the 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 10: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 1000 ppm TPH. The release consisted of produced water with little petroleum and evidence of significant petroleum impacts was not found during the initial assessment and delineation by SMA.

Laboratory analytical results for all final closure samples collected were below NMOCD closure standards for Benzene, BTEX, and TPH as well as below laboratory detection limits for the methods used. 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

March 7, 2017 SMA #5B25299-BG7

### Figures:

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

### Tables:

Table 1: Release Information and Site RankingTable 2: Summary of Field Screening ResultsTable 3: Summary of Laboratory Analyses

### Appendices:

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

## FIGURE 1 VICINITY MAP

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## FIGURE 2 DETAILED SITE AND SAMPLE MAP



March 7, 2017 SMA #5B25299-BG7

## TABLE 1

## RELEASE INFORMATION AND SITE RANKING

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Table 1: Release information and Site Ranking									
Name		Pipeline ROW, Chinaberry							
	Incident Number	, Range							
Location	2RP-3836	N/A	NE/NE (A Unit)	Section 29	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								
Released Material	Natural Ga	s and Pipeli	ne liquids						
Released Volume	170 MCF N	latural Gas	5 bbls Pipel	ine Liquids					
Recovered Volume	0 MCF Nat	ural Gas 0 b	bls Pipeline	e Liquids					
Net Release	170 MCF N	latural Gas	5 bbls Pipel	ine Liquids					
Nearest Waterway	0.3 miles V	Vest of the	location						
Depth to Groundwater	Estimated	to be 90 fee	et below gr	ound surfac	ce 🛛				
Nearest Domestic Water Source	Greater than 1,000 feet								
NMOCD Ranking	10								
SMA Response Dates	9/21/2016								
Subcontractors	NMR								
Disposal Facility	Lea Land								
Estimated Yd <sup>3</sup> Contaminated Soil Excavated and Disposed	114								

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# TABLE 2 SUMMARY OF FIELD SCREENING RESULTS

FIELD SCREENING RESULTS SUMMARY										
Date	Description	Field Screening Reference	Sample Depth (Feet BGS)	PID Reading	Chlorides Results (EC)	Lab Sample Collected Y/N				
9/21/2016	confirmation	L1	5.5'	52	52	Y				
9/21/2016	confirmation	L1	6'	22	64	Ν				
9/21/2016	confirmation	L2	5.5'	ND	75	Y				
9/21/2016	confirmation	L3	5.5'	14	38	Y				
9/21/2016	confirmation	L3	6'	ND	64	N				
9/21/2016	sidewall	SW1	5.5'	ND	64	Y				
9/21/2016	sidewall	SW2	5.5'	ND	64	Y				
9/21/2016	sidewall	SW3	5.5'	ND	75	Y				
9/21/2016	field screen	Backfill	Surface	ND	41	N				
9/22/2016	field screen	Background	Surface	ND	52	Ν				

Chlorides collected by EC meter in the field



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## TABLE 3 SUMMARY OF LABORATORY ANALYSES

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Analytical Report- 1609E05	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	CI- mg/Kg
	NMOCD	Site Ranking: 10	50 ppm	10 ppm	1000	ppm		
1609E05-001	L1	9/21/2016	5.5'	<0.96	<0.024	26	<9.8	<30
1609E05-002	L2	9/21/2016	5.5'	<0.096	<0.024	<4.8	<9.9	<30
1609E05-003	L3	9/21/2016	5.5'	<0.095	<0.024	10	<9.7	<30
1609E05-004	SW1	9/21/2016	4'	<0.95	<0.024	<4.7	<9.8	<30
1609E05-005	SW2	9/21/2016	4'	<0.096	<0.024	<4.8	<10	<30
1609E05-006	SW3	9/21/2016	4'	<0.097	<0.024	<4.8	<9.8	<30



March 7, 2017 SMA #5B25299-BG7

## APPENDIX A LABORATORY ANALYTICAL REPORTS



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

October 05, 2016

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

OrderNo.: 1609E05

Dear Austin Weyant:

RE: China Berry

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/23/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 30, 2016.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

Lab Order 1609E05

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates		Client Sample ID: L1 Collection Date: 9/21/2016 9:00:00 AM									
Project: China Berry											
Lab ID: 1609E05-001	Matrix:	SOIL	<b>Received</b>	<b>Date:</b> 9/2	3/2016 9:20:00 AM						
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	MRA					
Chloride	ND	30	mg/Kg	20	9/27/2016 8:46:40 PM	27744					
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s			Analyst	: TOM					
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/28/2016 8:56:35 AM	27738					
Surr: DNOP	104	70-130	%Rec	1	9/28/2016 8:56:35 AM	27738					
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB					
Gasoline Range Organics (GRO)	26	4.8	mg/Kg	1	9/27/2016 9:53:35 AM	27708					
Surr: BFB	95.7	68.3-144	%Rec	1	9/27/2016 9:53:35 AM	27708					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.024	mg/Kg	1	9/27/2016 9:53:35 AM	27708					
Toluene	ND	0.048	mg/Kg	1	9/27/2016 9:53:35 AM	27708					
Ethylbenzene	ND	0.048	mg/Kg	1	9/27/2016 9:53:35 AM	27708					
Xylenes, Total	ND	0.096	mg/Kg	1	9/27/2016 9:53:35 AM	27708					
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	9/27/2016 9:53:35 AM	27708					

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated M

- D Sample Diluted Due to Matrix
  - Н 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
- Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Analytical Report** 

Lab Order 1609E05

Date Reported: 10/5/2016

<b>CLIENT:</b> Souder, Miller & Associates <b>Project:</b> China Berry	Client Sample ID: L2 Collection Date: 9/21/2016 9:00:00 AM									
Lab ID: 1609E05-002	Matrix:	SOIL		Received Date: 9/23/2016 9:20:00 AM						
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: MRA				
Chloride	ND	30	mg/Kg	20	9/27/2016 8:59:05 PM	27744				
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	5			Analys	t: JME				
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/28/2016 10:28:48 AM	1 27738				
Surr: DNOP	120	70-130	%Rec	1	9/28/2016 10:28:48 AN	1 27738				
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/27/2016 10:17:53 AM	1 27708				
Surr: BFB	84.7	68.3-144	%Rec	1	9/27/2016 10:17:53 AM	1 27708				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.024	mg/Kg	1	9/27/2016 10:17:53 AM	1 27708				
Toluene	ND	0.048	mg/Kg	1	9/27/2016 10:17:53 AN	1 27708				
Ethylbenzene	ND	0.048	mg/Kg	1	9/27/2016 10:17:53 AN	1 27708				
Xylenes, Total	ND	0.096	mg/Kg	1	9/27/2016 10:17:53 AN	1 27708				
Surr: 4-Bromofluorobenzene	99.7	80-120	%Rec	1	9/27/2016 10:17:53 AM	1 27708				

		-	•	· •		U	00			•	
Qualifiers:	*	Value exc	ceeds M	laximum C	ontaminant L	.evel.	В	Anal	yte de	etected in the asso	ciated Meth

- D Sample Diluted Due to Matrix
- Н 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
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

.

**Analytical Report** 

Lab Order 1609E05

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates			Client Sampl			
<b>Project:</b> China Berry			Collection	<b>Date: 9</b> /21	1/2016 9:00:00 AM	
Lab ID: 1609E05-003	Matrix:	SOIL	<b>Received</b>	Date: 9/23	3/2016 9:20:00 AM	
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	9/27/2016 9:11:29 PM	27744
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/28/2016 9:42:26 AM	27738
Surr: DNOP	107	70-130	%Rec	1	9/28/2016 9:42:26 AM	27738
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	10	4.8	mg/Kg	1	9/27/2016 10:42:08 AM	27708
Surr: BFB	92.3	68.3-144	%Rec	1	9/27/2016 10:42:08 AM	27708
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/27/2016 10:42:08 AM	27708
Toluene	ND	0.048	mg/Kg	1	9/27/2016 10:42:08 AM	27708
Ethylbenzene	ND	0.048	mg/Kg	1	9/27/2016 10:42:08 AM	27708
Xylenes, Total	ND	0.095	mg/Kg	1	9/27/2016 10:42:08 AM	27708
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	9/27/2016 10:42:08 AM	27708

				- •
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 10
	ND	Not Detected at the Reporting Limit	Р	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

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1609E05

Date Reported: 10/5/2016

9/27/2016 11:06:36 AM

9/27/2016 11:06:36 AM 27708

9/27/2016 11:06:36 AM 27708

27708

CLIENT:Souder, Miller & AssociatesProject:China BerryLab ID:1609E05-004	Client Sample ID: SW1           Collection Date: 9/21/2016 9:00:00 AM           Matrix: SOIL         Received Date: 9/23/2016 9:20:00 AM						
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	t: MRA	
Chloride	ND	30	mg/Kg	20	9/27/2016 9:23:53 PM	27744	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst	t: TOM	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	9/28/2016 10:05:32 AM	1 27738	
Surr: DNOP	94.1	70-130	%Rec	1	9/28/2016 10:05:32 AM	1 27738	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	t: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/27/2016 11:06:36 AN	1 27708	
Surr: BFB	87.3	68.3-144	%Rec	1	9/27/2016 11:06:36 AM	1 27708	
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB	
Benzene	ND	0.024	mg/Kg	1	9/27/2016 11:06:36 AN	1 27708	
Toluene	ND	0.047	mg/Kg	1	9/27/2016 11:06:36 AM	1 27708	

0.047

0.095

80-120

mg/Kg

mg/Kg

%Rec

1

1

1

ND

ND

103

Qualifiers: *	Value exceeds Maximum	Contaminant Level.
---------------	-----------------------	--------------------

- D Sample Diluted Due to Matrix
  - Н 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
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1609E05

Date Reported: 10/5/2016

9/27/2016 11:30:59 AM 27708

CLIENT:Souder, Miller & AssociatesProject:China BerryLab ID:1609E05-005	Client Sample ID: SW2Collection Date: 9/21/2016 9:00:00 AMatrix: SOILReceived Date: 9/23/2016 9:20:00 A					
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	9/27/2016 9:36:18 PM	27744
EPA METHOD 8015M/D: DIESEL RANG		S			Analyst	: том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/28/2016 10:34:10 AM	27738
Surr: DNOP	86.5	70-130	%Rec	1	9/28/2016 10:34:10 AM	27738
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/27/2016 11:30:59 AM	27708
Surr: BFB	88.6	68.3-144	%Rec	1	9/27/2016 11:30:59 AM	27708
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	9/27/2016 11:30:59 AM	27708
Toluene	ND	0.048	mg/Kg	1	9/27/2016 11:30:59 AM	27708
Ethylbenzene	ND	0.048	mg/Kg	1	9/27/2016 11:30:59 AM	27708
Xylenes, Total	ND	0.096	mg/Kg	1	9/27/2016 11:30:59 AM	27708

80-120

%Rec

1

105

and preservation information. 41 OC C he login checklist for flagged OC date

Refer to the QC	_ Summary	report and	sample login	cnecknst io	r nagged QC	, data and pre	servation into	)TH

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 1609E05

Date Reported: 10/5/2016

CLIENT:Souder, Miller & AssociatesProject:China BerryLab ID:1609E05-006	Matrix:	SOIL	C		Date: 9/2	V3 21/2016 9:00:00 AM 23/2016 9:20:00 AM	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analysi	: MRA
Chloride	ND	30		mg/Kg	20	9/27/2016 9:48:43 PM	27744
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S				Analyst	: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2016 10:06:56 AN	1 27738
Surr: DNOP	144	70-130	S	%Rec	1	9/28/2016 10:06:56 AN	1 27738
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	II: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/27/2016 9:47:09 AM	27715
Surr: BFB	80.4	68.3-144		%Rec	1	9/27/2016 9:47:09 AM	27715
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	9/27/2016 9:47:09 AM	27715
Toluene	ND	0.048		mg/Kg	1	9/27/2016 9:47:09 AM	27715
Ethylbenzene	ND	0.048		mg/Kg	1	9/27/2016 9:47:09 AM	27715
Xylenes, Total	ND	0.097		mg/Kg	1	9/27/2016 9:47:09 AM	27715

80-120

%Rec

1

9/27/2016 9:47:09 AM

27715

92.6

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated

- D Sample Diluted Due to Matrix
- Н 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
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Client: Project:		er, Miller & As a Berry	sociate	es							
Sample ID	MB-27744	SampTy	/pe: <b>m</b> l	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 27	744	F	RunNo: <b>37</b>	7523				
Prep Date:	9/27/2016	Analysis Da	ate: <b>9/</b>	27/2016	S	SeqNo: 11	67082	Units: <b>mg/k</b>	ģ		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-27744	SampTy	pe: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 27	744	F	RunNo: <b>37</b>	7523				
Prep Date:	9/27/2016	Analysis Da	ate: <b>9/</b>	27/2016	S	SeqNo: 11	67083	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.7	90	110			

#### **Qualifiers:**

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- 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

1609E05

05-Oct-16

WO#:

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

Client:Souder, IProject:China Be	Miller & Associat erry	tes						
Sample ID LCS-27685	SampType: L	cs	Test	Code: EPA Me	thod 8015M/D:	Diesel Rang	e Organics	
Client ID: LCSS	Batch ID: 2	7685	R	unNo: <b>37494</b>				
Prep Date: 9/26/2016	Analysis Date: 9	9/27/2016	S	eqNo: 1166208	B Units: %F	lec		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5	5.000		90.9	70 130			
Sample ID MB-27685	SampType: <b>M</b>	IBLK	Test	Code: EPA Me	thod 8015M/D:	Diesel Rang	e Organics	
Client ID: PBS	Batch ID: 2	7685	R	unNo: <b>37494</b>				
Prep Date: 9/26/2016	Analysis Date: 9	9/27/2016	S	eqNo: 1166209	Units: %F	lec		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0	10.00		90.1	70 130			
Sample ID MB-27738	SampType: <b>M</b>	IBLK	Test	Code: EPA Me	thod 8015M/D:	Diesel Rang	e Organics	
Client ID: PBS	Batch ID: 2	7738	R	unNo: <b>37494</b>				
Prep Date: 9/27/2016		0000000	0					
The Ballo. SIETIEDIO	Analysis Date: 9	9/28/2016	S	eqNo: 1167146	6 Units: mg	/Kg		
Analyte	Analysis Date: S			eqNo: 1167146 %REC LowL			RPDLimit	Qual
	•	SPK value		•		%RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result PQL ND 10	SPK value ) 10.00	SPK Ref Val	%REC LowL 87.1	imit HighLimit	%RPD		Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP	Result PQL ND 10 8.7	SPK value 10.00	SPK Ref Val	%REC LowL 87.1	imit HighLimit 70 130	%RPD		Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID LCS-27738	Result PQL ND 10 8.7 SampType: L	SPK value 10.00 CS 7738	SPK Ref Val Test	%REC LowL 87.1 Code: EPA Met	imit HighLimit 70 130 thod 8015M/D:	%RPD		Qual
Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID LCS-27738 Client ID: LCSS	Result PQL ND 10 8.7 SampType: L Batch ID: 2	SPK value 10.00 CS 7738 9/28/2016	SPK Ref Val Test	%REC LowL 87.1 Code: EPA Mer unNo: 37494 reqNo: 1167147 %REC LowL	imit HighLimit 70 130 thod 8015M/D: 1	%RPD		Qual

#### **Qualifiers:**

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- D Sample Diluted Due to Matrix
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- 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

1609E05

05-Oct-16

WO#:

Page 8 of 10

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

Client: Project:	Souder, China B	Miller & A erry	ssociate	es							
Sample ID	MB-27715	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	n ID: 27	715	R	unNo: 3	7497				
Prep Date:	9/26/2016	Analysis D	ate: 9/	27/2016	S	eqNo: 1	166622	Units: <b>mg/k</b>	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 810	5.0	1000		80.6	68.3	144			
Sample ID	LCS-27715	SampT	ype: LC	s	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: 27	715	R	unNo: 3	7497				
Prep Date:	9/26/2016	Analysis D	ate: 9/	27/2016	S	eqNo: 1	166623	Units: <b>mg/K</b>	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	29	5.0	25.00	0	114	74.6	123			
Surr: BFB		000		1000		87.9	60.0	144			
		880		1000		07.9	68.3	144			
Sample ID	MB-27708		ype: ME		Test			8015D: Gasc	oline Rang	e	
		SampT	ÿpe: <b>ME</b> n ID: <b>27</b>	BLK			PA Method		line Rang	e	
Sample ID	PBS	SampT	n ID: <b>27</b>	3LK 708	R	tCode: El	PA Method 7498		Ū	e	
Sample ID Client ID:	PBS	SampT Batch	n ID: <b>27</b> Pate: <b>9</b> /	3LK 708 27/2016	R	Code: El cunNo: 3 seqNo: 1	PA Method 7498 166685	8015D: Gasc	Ū	e RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte	PBS	SampT Batch Analysis D	n ID: <b>27</b> Pate: <b>9</b> /	3LK 708 27/2016	R	Code: El cunNo: 3 seqNo: 1	PA Method 7498 166685	8015D: Gasc Units: mg/K	(g		Qual
Sample ID Client ID: Prep Date: Analyte Gasoline Range	PBS 9/26/2016 e Organics (GRO)	SampT Batch Analysis D Result ND 880	n ID: <b>27</b> Pate: <b>9/</b> PQL	<b>3LK</b> 708 27/2016 SPK value 1000	R S SPK Ref Val	tCode: EF tunNo: 3 GeqNo: 1 %REC 88.0	PA Method 7498 166685 LowLimit 68.3	8015D: Gasc Units: mg/K HighLimit	S %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Gasoline Range Surr: BFB	PBS 9/26/2016 e Organics (GRO) LCS-27708	SampT Batch Analysis D Result ND 880 SampT	n ID: 27 vate: 9/ PQL 5.0	3LK 708 27/2016 SPK value 1000	R SPK Ref Val Test	tCode: EF tunNo: 3 GeqNo: 1 %REC 88.0	PA Method 7498 166685 LowLimit 68.3 PA Method	8015D: Gaso Units: mg/K HighLimit 144	S %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Gasoline Range Surr: BFB Sample ID	PBS 9/26/2016 e Organics (GRO) LCS-27708 LCSS	SampT Batch Analysis D Result ND 880 SampT	PQL 70 PQL 5.0 70 PQL 5.0 70 PQL 5.0 70 PQL 5.0 70 PQL 70	3LK 708 27/2016 SPK value 1000 SS 708	R SPK Ref Val Test R	Code: EF RunNo: 3 GeqNo: 1 %REC 88.0	PA Method 7498 166685 LowLimit 68.3 PA Method 7498	8015D: Gaso Units: mg/K HighLimit 144	Sg %RPD	RPDLimit	Qual
Sample ID Client ID: Prep Date: Analyte Gasoline Range Surr: BFB Sample ID Client ID:	PBS 9/26/2016 e Organics (GRO) LCS-27708 LCSS	SampT Batch Analysis D Result ND 880 SampT Batch	PQL 70 PQL 5.0 70 PQL 5.0 70 PQL 5.0 70 PQL 5.0 70 PQL 70	3LK 708 27/2016 SPK value 1000 SS 708 27/2016	R SPK Ref Val Test R	Code: EF 2000: 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PA Method 7498 166685 LowLimit 68.3 PA Method 7498	8015D: Gasc Units: mg/K HighLimit 144 8015D: Gasc	Sg %RPD	RPDLimit	Qual

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
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05-Oct-16

1609E05

WO#:

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

	r, Miller & A Berry	ssociate	es							
Sample ID MB-27715	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 27	715	F	RunNo: 3	7497				
Prep Date: 9/26/2016	Analysis D	)ate: 9/	27/2016		SeqNo: 1		Units: <b>mg/k</b>	٢g		
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 LCS-27715	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 27	715	F	RunNo: 3	7497				
Prep Date: 9/26/2016	Analysis D	0ate: <b>9/</b>	27/2016	Ś	SeqNo: 1	166643	Units: mg/k	٢g		
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 MB-27708	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	n ID: <b>27</b>	708	F	RunNo: 3	7498				
Prep Date: 9/26/2016	Analysis D	0ate: <b>9/</b>	27/2016	Ş	SeqNo: 1	166741	Units: mg/k	٢g		
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	4 000		404	00	400			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			
Sample ID LCS-27708		ype: LC					8021B: Volat	tiles		
Client ID: LCSS	Batch	n ID: 27	708	F	RunNo: 3	7498				
Prep Date: 9/26/2016	Analysis D	0ate: 9/	27/2016	S	SeqNo: 1	166742	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	75.3	123			
Toluene	0.95	0.050	1.000	0	95.3	80	124			
Ethylbenzene	0.93	0.050	1.000	0	92.8	82.8	121			
Xylenes, Total	2.7	0.10	3.000	0	89.9	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

#### **Qualifiers:**

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- S % Recovery outside of range due to dilution or matrix
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- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1609E05

05-Oct-16

WO#:

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	Website: www.hali		505-345		Sar	nple Log-In Che	eck List
Client Name: SMA-CARLSBAD	Work Order Number:	1609	E05			RcptNo: 1	<u> </u>
Received by/date: AS	123/10						
_ogged By: Lindsay Mangin 9/2	23/2016 9:20:00 AM			( star	duj Hlaf	ର	
Completed By: (Lindsay Mangin 9/2	25/2016 12:10:11 PM			, china	dy Hlopp	ର	
Reviewed By: JC 09/26/16				V	~ ~		
Chain of Custody							
1. Custody seals intact on sample bottles?		Yes		4	10 🗌	Not Present 🛃	
2. Is Chain of Custody complete?		Yes		٢	lo 🗌	Not Present	
<ol><li>How was the sample delivered?</li></ol>		Cou	ier				
Log In							
					. r-		
4. Was an attempt made to cool the samples?		Yes		ľ	No 🗌	NA	
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes		N	o 🗌		
6. Sample(s) in proper container(s)?		Yes	<b>*</b>	I	No 🗌		
7. Sufficient sample volume for indicated test(s)?		Yes		Ν	lo 🗌		
8. Are samples (except VOA and ONG) properly p	reserved?	Yes		N	lo 🗌		
9. Was preservative added to bottles?		Yes		Ν	lo 🛃	NA 🗋	
10.VOA vials have zero headspace?		Yes	[]	N	lo []]	No VOA Vials 🛃	
11. Were any sample containers received broken?		Yes			lo 🛃		
12.Does paperwork match bottle labels?		Yes		N	lo 🗆	# of preserved bottles checked for pH:	
(Note discrepancies on chain of custody)						Cor >1 (<2 or >1 Adjusted?	2 unless note
13 Are matrices correctly identified on Chain of Cus 14. Is it clear what analyses were requested?	stody?	Yes Yes		N		Aujusteur	
15. Were all holding times able to be met?		Yes			o []	Checked by:	
(If no, notify customer for authorization.)						i -	
pecial Handling (if applicable)							
16. Was client notified of all discrepancies with this	order?	Yes		N	o 🗌	NA 🐱	
Person Notified:	Date:				<u></u>		
By Whom:		] eMa	il [ˈ]	Phone [	Fax	In Person	
Regarding:					<u></u>		
Client Instructions:						<u>an an a</u>	
17. Additional remarks:							
8. <u>Cooler Information</u> Cooler No Temp °C Condition Seal h			. 1	<b>_</b> .		I	
Cooler No         Temp °C         Condition         Seal In           1         4.4         Good         Yes	ntact Seal No Se	al Da	te	Signe	ву		

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Red	ceive	ed by	υርΙ	): 4	/12/.	2023	10:03	:36 AM		selddu8 iA	-							T			Pag
HALL ENVIRONMENTAL			4901 Hawkins NE - Albuquerque, NM 87109		Anal	(ləs	səid\as	0) 831 (1.81) (1.41) (HA) (HA) (A) (M) (A) (A)		TTH + XETB Action TPH (Method BDB (Method BDB (Method BDB (Method BDD (VOA BDD (VOA	×	×			X < X <					Remarks: Dre g 28 Per LUG	875× -2 /w
				_		(	1208) 8	8MT +	- 38	BTEX + MTI					1001	_				Rem	4-mil
	Constandard 🗆 Rush	Project Name:	Chin BROND,	Project #:		Project Manager:	Austr want	Sampler. SAL	Emperature:	Container Preservative HEAL No. Type and # Type	100- × 201	1 - 202	-072	- Wrt	Sev- 1 / 1	- mo	×			(mul a	Received by: Date Time
Chain-or-custogy Record	SMA	Carlebed P		<u>a</u>		<u>a</u>	Level 4 (Full Validation)	1		Matrix Sample Request ID	17 500	27 1	1 63	1 5W1	1 322	1 507				Reinquished by: R	Reinquished by:
-uain-	~ 1		Mailing Address		i	Fax#:	QA/QC Package:	tation:	EDD (Type)	Time	que	-	5	11	9					Time:	Time:
5	Client:		Mailing		Phone #	email or Fax#:	QA/QC Packs	Accreditation:		Date	2416	-	-	10	11	•				Date: 22-16	Date:

March 7, 2017 SMA #5B25299-BG7

# APPENDIX B FORM C141 INITIAL

reived by OCD: 4/12/2023 10:03:36 AM			NM	OIL CO		VATION		Page 32
istrict I 25 N. French Dr., Hobbs, NM 88240 <u>istrict II</u>	State of Energy Minerals	New Mex and Natura		AUG (	1 7 201			orm C-141 agust 8, 2011
101 W. Grand Avenue, Artesia, NM 88210 <u>istrict III</u> 100 Rio Brazos Road, Aztec, NM 87410 <u>istrict IV</u> 20 S. SL Francis Dr., Santa Fe, NM 87505	Oil Conser 1220 South Santa Fo		is D <del>r</del> .	Rec	eiveg	y to appropri coordance w	ate Distri ith 19.15	ct Office in 29 NMAC.
AB/102315734/ Release	se Notification	n and Co	orrective A	ction				
AB1623157474		<b>OPERA</b>			🛛 Initi	al Report		inal Repor
lame of Company Enterprise Field Services PO Box 4324, Houston, T		Contact	<u>Alena Mir</u> 10. 575-706-49	_		•.		
acility Name Pipeline ROW, Chinaberry		the second s	e: Gas Gathe		eline			
urface Owner <b>BLM</b>	Mineral Owner	NA - Pipel	line		Lease 1	No. <i>NA</i>		
	LOCATIO	N OF REJ	LEASE					
		/South Line	Feet from the		est Line	County		<.
<u>M 21 235 31E</u>		North	20		ast	Eddy		
La	titude: <u>32.608424</u>	U	e: <u>W-104,1517</u>	12				
	NATURE				Val	)	N// 4	
ype of Release Natural Gas and pipeline liquid		gas/ 5 bbl l	Release: 170 M iquids	L <b>r</b>	volume l	Recovered: A	W//I	19.03
Source of Release Pipeline Leak		Date and H	our of Occurrence @ 18:45 MST			Hour of Dis 6 @ 22:00 M		
Vas Immediate Notice Given?		If YES, To						
	o 🛛 Not Required				<u> </u>			
By Whom? Was a Watercourse Reached?		Date and H	our Jume Impacting	the Water	COURSE			····
□ Yes ⊠ N	0		ionie importing		••••			. ' .
f a Watercourse was Impacted, Describe Fully.*		- <b>A</b>						· · · ·
								t net an
Describe Cause of Problem and Remedial Action To Natural gas and pipeline liquid was released due to call. Approximately 5 bbls of liquid released. Describe Area Affected and Cleanup Action Taken. A liquid spill of approximately 5 bbl of pipeline liquid spill bbl of approximately 5 bbl of pipeline liquid spill bbl of approximately 5 bbl of pipeline liquid spill bbl of pipeline liquid spill bbl of approximately 5 bbl of pipeline liquid spill bbl of approximately 5 bbl of pipeline liquid spill b	o a pipeline leak. Pij •							97293
ollow the Enterprise Products, General Release N	otification, Response	and Remedia	tion Plan (Marc	:h 9, 2015	).			· · · ·
hereby certify that the information given above is to egulations all operators are required to report and/o public health or the environment. The acceptance o should their operations have failed to adequately invo- or the environment. In addition, NMOCD acceptance ederal, state, or local laws-and/or regulations.	or file certain release n f a C-141 report by the restigate and remediat	otifications ar e NMOCD ma e contaminati	ad perform corre- arked as "Final R on that pose a that e the operator of	ctive actic leport" do reat to gro responsib	ons for rel es not rel und wate und for c	eases which ieve the oper r, surface wa ompliance w	may end rator of li iter, humi vith any o	anger ability an health
Signature:			OIL CON	/	ATION	<u>DIVISIC</u> ,	<u>)N</u>	
rinted Name: Jon E. Fields		Approved by	Signed B District Supervis	or.	14 <u>D</u> ,	Cherry Contest		)-e <sup>-</sup> -
itle: Director, Field Environmental		Approval Dat	e: 8/18/1	6 E	xpiration	Date: N	<u>1</u> A	
2-mail Address:, jeflelds@eprod.com Date: \$/17/244 Phone: 713-381-6684		SUBMIT I	向野野村 <sup>:</sup> O.C. REMEDIATIC	D. Rule	s & Gu POSAI	idelines NO		
stach Additional Sheets If Necessary	<u> </u>	LATER TI	1AN:9/	19/15	<u> </u>		20	202

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March 7, 2017 SMA #5B25299-BG7

# 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)							2=NE : st to lar	3=SW 4=S gest) (		33 UTM in me	eters)	(	n feet)	
POD Number	POD Sub- Code basin C	ount		Q 16		Sac	Twe	Png	,	K	Y	Distance	-	-	Water Column
C 02862	CULE CULE	ED					23S	-	<b>5</b> 6411		575276* 🌍	1888	280	Water	Column
C 02822	С	ED	2	3	1	33	22S	26E	56554	3 38	579584* 🌍	2656	300		
<u>C 02964</u>	С	ED	3	3	2	33	22S	26E	56614	9 38	579390* 🌍	2708	319		
<u>C 01192</u>	С	ED		2	4	33	22S	26E	566664	4 38	579084* 🌍	2757	100		
C 02855	CUB	ED	1	1	2	32	22S	26E	56452	9 38	579996* 🌍	2986	127		
<u>C 01445</u>	С	ED	4	1	3	31	22S	26E	56235	6 38	578903* 🌍	3106	389	367	22
<u>C 02264</u>		ED			4	03	23S	26E	56806	5 35	577254* 🌍	3243	260		
<u>C 02382</u>	С	ED			4	03	23S	26E	56806	5 35	577254* 🌍	3243	288	248	40
<u>C 02393</u>	С	ED			4	03	23S	26E	56806	5 35	577254* 🌍	3243	290	245	45
C 02878	С	ED	4	4	4	12	23S	25E	56197	5 35	575258* 🌍	3357	320	90	230
<u>C 01788</u>	С	ED	4	2	4	30	22S	26E	56352	1 35	580571* 🌍	3780	170	150	20
<u>C 01140</u>	С	ED	1	3	3	15	23S	26E	56698	0 38	573870* 🌍	3817	325		
											Avera	ige Depth to	Water:	220	feet
												Minimum	Depth:	90	feet
												Maximum	Depth:	367	feet
Record Count: 12				_											

#### Record Count: 12

#### UTMNAD83 Radius Search (in meters):

Easting (X): 564830

Northing (Y): 3577024.64

Radius: 4000

#### \*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.

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March 7, 2017 SMA #5B25299-BG7

# APPENDIX D WASTE MANIFEST

eived hv OCD: 4/12/2023 10:03:36 AM Re -99

ved by OCD: 4/12/2023 10:03:36 AM		1,82	Ct	INA	BERR	-Y	Page 36 o
LEA LAND D MILE MARKER #64 US H						XIC	0
1300 WEST MAI		AND, LLC MA CITY, OK 73106 •	PHONE	(405) 236	4257	1.7	
NON-HAZARDOUS WASTE MAN	IFEST NO	115941	1. PA	GE_OF	2. TRAI	LER NO.	2011
G 3. COMPANY NAME	4. ADDRESS			5.	PICK-UP DATE	E	
G Frida Pink Services LLC PHONE NO.	CITY	STATE		ZIP 6.	TNRCC I.D. NO		
E 18791 805 7236 5	Cartsbad	HIM BARRIN		211 0.	114KCC 1.D. 140	<i>.</i>	1.11
7. NAME OR DESCRIPTION OF WASTE SHI	PPED:		8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N a. Dressed the second of the	aste		NO.	Type	QUANTIT	W 1/ VOI.	WASTEID#
b.							
E c.							
đ.	~						<u> </u>
R 41(1	La			1		0.000	
12. COMMENTS OR SPECIAL INSTRUCTIO	NS:				13. WASTE P	ROFILE N	0.
A			_			<u> </u>	
T NAME	CASE OF EMER PHONE NO	GENCY OR SPIL	L, COI	NTACT	24-HOUR	EMERGE	NCY NO.
Kin Staughter	575-387-404	8.					
0 15.GENERATOR'S CERTIFICATIO shipping name and are classified, packed, marked international and national government regulations	, and labeled, and are in	all respects in proper cor	dition fo	r transport	by highway acco	ording to an	oplicable
R PRINTED/TYPED NAME		SIGNATURE					DATE
T 16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)		
A NAME: <u>NEW MENCO RE</u>		NAME:					
N TEXAS I.D. NO.		TEXAS I.D. NO.					
P IN CASE OF EMERGENCY CONTACT:	LEERT MADRID	IN CASE OF EMER	RGENCY	CONTAC	T:		
R EMERGENCY PHONE:	at of receipt of material	EMERGENCY PHO		2)			
PRINTED/TYPED NAME	Sacit	PRINTED/TYPED		c). Ackilo			
SIGNATURE	DATE	SIGNATURE			DA	TE	
	ADDRESS:				PHONE:		
F Lea Land, LLC		e Marker 64, U.S			), :	575-887	7-4048
A C I WM-01-035 - New Me		Miles East of Car 20. COMMENTS	isbad,	INIM			
L I Z1.DISPOSAL FACILITY'S CERTIFI facility is authorized and permitted to receive such	CATION: I Hereby wastes.	certify that the above des	scribed w	astes were	delivered to this	s facility, th	at the
Y AUTHORIZED SIGNATURE		CELL NO.		DATE	W21/2016	TIM	E
Collent to						112	0
ERATOR: COPIES 1 & 6	DISPOSAL SIT	E: COPIES 2 & 3			TRANSPO	RTERS: C	OPIES 4 & 5

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Page	37	of	42
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	LEA LAND DIS MILE MARKER #64 US HW		AL SITE	C N	EW			0
	1300 WEST MAIN S		LAND, LLC HOMA CITY, OK 73106 •	PHONE	(405) 236-42	257	ingle.	T
NO	N-HAZARDOUS WASTE MANII	FEST NO	115942	1. P/	AGEOF_	_ 2. TRAII	LER NO.	3471
G	3. COMPANY NAME	4. ADDRESS	1508		5. P	ICK-UP DATE		
	PHONE NO.	CITY	STATE		ZIP 6. T	NRCC I.D. NC	).	
E	7. NAME OR DESCRIPTION OF WASTE SHIPP	ED:		8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXA WASTE II
N	a,	20			51			
E	b.							
2	c. 90690 @4196	)						
R	d. 12. COMMENTS OR SPECIAL INSTRUCTIONS					13. N/A OTE D		
A	12. COMMENTS OR SPECIAL INSTRUCTIONS					13. WASTE P	KOFILE N	0.
Т	14. IN CANAME	ASE OF EME PHONE NO	ERGENCY OR SPIL	. <b>L, CO</b> ]	NTACT	24-HOUR	EMERGE	NCY NO.
0	15.GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in PRINTED/TYPED NAME	d labeled, and are	in all respects in proper co	ondition fo	or transport b	y highway acc	ording to ap wed by LE	oplicable
R	COMANI: ALENA MIR	D	e e					
T R	16. TRANSPORTER (1)	ALS.	17.	TF	RANSPOR	RTER (2)		
A N	NAME: TEXAS I.D. NO.		NAME:	×				
		BERT MADE	ID TEXAS I.D. NO.	DGENC				
S	I IN CASE OF EMERGENCI CONTACT.			RUENU	CONTACT			
P O	EMERGENCY PHONE	363-1918		ONE				
P O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment of	of receipt of mater	EMERGENCY PH		2): Acknow	ledgment of re	ceipt of ma	aterial
P O R T E	EMERGENCY PHONE:	of receipt of mater	EMERGENCY PH	RTER (	2): Acknow	ledgment of re	ceipt of ma	aterial
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P O R T E R S	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment of PRINTED/TYPED NAME	of receipt of mater DATE ADDRESS: N	EMERGENCY PH         rial       19. TRANSPOI          PRINTED/TYPED          SIGNATURE         file       Marker 64, U.3	RTER ( NAME	y 62/180	D/ PHONE:		
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	LEA LAND DISPOSA MILE MARKER #64 US HWY 62/180 • 30 MIL					XIC	0
		AND, LLC				TD+	-
NO	N-HAZARDOUS WASTE MANIFEST NO	115959	1. PAC	EOF	2. TRAI	LER NO.	+ 25
~	3. COMPANY NAME 4. ADDRESS		_		PICK-UP DATE		
G	PHONE NO. CITY	STATE	7		INRCC I.D. NO		
E	757513285-7236 Cartisbad	STALL 1822			INACC I.D. NO	<i>.</i>	
~	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONT No.	AINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXA WASTE ID
N	a, torre-gulated, torreasanditis vrasta		110.	Type	Quantini	WU VOI.	WHOTE ID
	b.						
E	¢.						
R	d. 47140						
ĸ	12. COMMENTS OR SPECIAL INSTRUCTIONS:			-	13. WASTE P	ROFILE NO	Э.
A	CHITABERRY LEAK 1121411						
	14. IN CASE OF EME. NAME PHONE NO	RGENCY OR SPIL	L, CON	ТАСТ			
Т	NAME PHONE NO				24-HOUR	EMERGEN	NCY NO.
0	15. <b>GENERATOR'S CERTIFICATION:</b> I Hereby declare a shipping name and are classified, packed, marked, and labeled, and are international and national government regulations, including applicable	n all respects in proper co	ndition for	transport	by highway acc	ording to an	plicable
0 R	shipping name and are classified, packed, marked, and labeled, and are	n all respects in proper co	ndition for	transport	by highway acc	ording to ap wed by LEA	plicable
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	MILE MARKER #64 US HW							AIC	.0
	1300 WEST MAIN			AND, LLC MA CITY, OK 73106 ·	PHONE	(405) 236	5-4257	0k	To
NO	N-HAZARDOUS WASTE MANI	FEST	NO	115967	1. P/	AGEC	0F 2. TRAI	LER NO.	45
	3. COMPANY NAME	4. ADD	RESS		1	5	. PICK-UP DATI	8	
G	PHONE NO.	CITY		STATE		ZIP 6	TNDCCLDAK		1
E	(575) 236/7246			SIAIL		ZIF	. TNRCC I.D. NO	).	
	7. NAME OR DESCRIPTION OF WASTE SHIP	PED:			8. CON No,	TAINER	S 9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXA
Ν	a.				INO.	Туре	QUANTITY	WT/VOL	WASTE ID
	b		-						
E	c	-							
	d. 11,8910 210	22							
R	12. COMMENTS OR SPECIAL INSTRUCTIONS	<u>10=</u>				_		- 41	h u Ai
A	12. COMMENTS OR SPECIAL INSTRUCTIONS	5:					13. WASTE P	ROFILE NO	Э.
A	14. IN C.	ASE OF	EMED	GENCY OR SPIL	L CON				-
Т	NAME	PHON		SENCI OK SPIL	L, CUI	VIACI	24-HOUR	EMERGEN	NCY NO.
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, and international and national government regulations, in	nd labeled.	and are in a	Il respects in proper con	ndition fo	r transpor	t by highway acco	ording to an	nlicable
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R A	NAME:			NAME:					
N S	TEXAS I.D. NO.			TEXAS I.D. NO.			1.8.1.9		
P O	IN CASE OF EMERGENCY CONTACT:			IN CASE OF EMER	RGENCY	' CONTA	CT:		
R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment of		_	EMERGENCY PHO 19. TRANSPOR		7) • • • • • •		C	4
T E	PRINTED/TYPED NAME		i material		Ì	2): ACKI	owledgment of re	ceipt of ma	terial
R S	125		10/25	PRINTED/TYPED	NAME_		1.1		-
	SIGNATURE	DATE		SIGNATURE			DA	TE	
	Lea Land, LLC	ADDRI		Montron 64 IIC	·	- (0/19	PHONE:	75 007	10.10
DF	Lea Land, LLC			Marker 64, U.S files East of Car			0,	575-887	-4048
I A S C P I	PERMIT NO. WM-01-035 - New Mex	ico		20. COMMENTS	,			1.7	
AT	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> , facility is authorized and permitted to receive such w	ATION: vastes.	I Hereby c	ertify that the above des	scribed w	astes wer	e delivered to this	facility, the	at the
LY	AUTHORIZED SIGNATURE	liz		CELL NO.		DATE	0/25/2016	TIM	55

	LEA LAND DISPOSA MILE MARKER #64 US HWY 62/180 • 30 MILES			EW					
		ND, LLC				Jat	UT		
NO	N-HAZARDOUS WASTE MANIFEST NO	115973	1. PA	GEOF	2. TRAI	LER NO.	28		
~	3. COMPANY NAME 4. ADDRESS				PICK-UP DATE	Ξ			
G	PHONE NO.	STATE	INCC I.D. NO.						
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY				
N	a								
E	c.								
R	d. 41,840		-						
A	12. COMMENTS OR SPECIAL INSTRUCTIONS:				13. WASTE P.	ROFILE N	0.		
	IN CASE OF EMERGENCY OR SPILL, CONTACT								
	NAME	DENCI OK SI IL.	_,						
Т	NAME PHONE NO					EMERGE			
T O	THOUS THO	the contents of this con Il respects in proper con	nsignmen adition for	t are fully	and accurately oby highway acc	described al	pove by proper		
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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											
NO	N-HAZARDOUS WASTE MANIF	EST	NO	115943	1. PA	GEOF_	2. TRAI	LER NO.	28		
~	3. COMPANY NAME	4. ADDR	ESS	a second second	-		CK-UP DATE	;			
G	PHONE NO.	STATE	STATE ZIP 6. TNRCC I.D. NO.								
E	(575) 186-7286	AC WEND	nd	NM 88221							
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ED:			8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #		
Ν	a.										
Е	b.										
Ľ	c.										
R	a 42680, 39400	0									
	12. COMMENTS OR SPECIAL INSTRUCTIONS:       13. WASTE PROFILE							ROFILE N	NO.		
Α			-								
Т	14. IN CA NAME	PHONE	NO	ENCY OR SPIL	L, CON	TACT	24-HOUR	EMERGE	VCY NO.		
			17-4040								
0	15. <b>GENERATOR'S CERTIFICATION:</b> I Hereby declare that the contents of this consignment are fully and accurately described above shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applic international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA Labeled.								plicable		
R	PRINTED/TYPED NAME		SIGNATURE DATE								
_	CO: Almo Atus										
T R	16. TRANSPORTER (1)			17. TRANSPORTER (2)							
A N	NAME: TEXAS I.D. NO.			NAME:							
S P	IN CASE OF EMERGENCY CONTACT:	TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT:									
O R	EMERGENCY PHONE: 8. TRANSPORTER (1): Acknowledgment of receipt of material			EMERGENCY PHONE:							
Т				19. TRANSPORTER (2): Acknowledgment of receipt of material							
E R	PRINTED/TYPED NAME	YPED NAME   PRIN			PRINTED/TYPED NAME						
S	SIGNATURE	DATE	1/4/ 204	SIGNATURE			DA	TE			
	Loo Lond LLC	ADDRE			1 TT	(0/100	PHONE:		10.10		
DF	Lea Land, LLC			Marker 64, U.S files East of Car				575-887	-4048		
I A S C P I	PERMIT NO. WM-01-035 - New Mexico										
A T	21. <b>DISPOSAL FACILITY'S CERTIFICA</b> facility is authorized and permitted to receive such wa	21.DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the acility is authorized and permitted to receive such wastes.									
Y	AUTHORIZED SIGNATURE			CELL NO.		DATE	21/2016	TIM	E		
	alled BE		-					ER	10		
ENER/	TOR: COPIES 1 & 6	DISPOS	SAL SITE	: COPIES 2 & 3			TRANSPO	RTERS: CO	OPIES 4 & 5		

COPY 4

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Page 41 of 42

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

Operator:	OGRID:
ENTERPRISE PRODUCTS OPERATING, LLC	374092
P.O. BOX 4324	Action Number:
HOUSTON, TX 77210	206744
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

#### CONDITIONS

Created By		Condition Date
amaxwell	None	4/12/2023

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Action 206744