



6101 Holiday Hill Road  
Midland, TX 79707  
(432) 687-1777  
(432) 687-1570 (FAX)

NMOCD approves  
1RP-4842 for closure.

November 20, 2017

Olivia Yu  
Environmental Specialist  
OCD – Hobbs District I  
1625 N. French Drive  
Hobbs, NM 88240

**APPROVED**

*By Olivia Yu at 3:24 pm, Jan 26, 2018*

Closure request: Ling Federal Comingled Battery, Unit letter B, Section 31, Township 19S, Range 34E,

Ms. Yu

### **Incident Description**

On morning of October 5th, 2017 a spill was discovered at Fasken's Ling Federal Comingled Battery by Fasken personnel arriving for routine daily work. In the evening prior to the spill discovery, persons unknown put holes in the oil tanks with a firearm. According to Fasken production records, 40 barrels of crude oil were spilled. 31 barrels of crude oil were recovered. No produced water was spilled. The spill was completely contained within the firewall of the battery.

### **Spill Delineation**

On October 6th, Fasken Environmental Coordinator Aaron Pachlhofer advanced two shallow borings with a hand auger. Three samples were collected from each boring. Following analysis of the samples collected from each boring it was determined that chlorides were no a constituent of concern (chloride sampling requested by NMOCD) and a maximum of 1 foot of soil would need to be removed from the area affected by the spilled oil. Groundwater is deeper than 100 feet structures, or other consideration are located near the battery. A workplan was submitted to Oliva Yu at NM OCD – Hobbs.

### **Spill Response**

On October 19<sup>th</sup>, Aaron Pachlhofer directed a backhoe and a roustabout crew to remove the affected soil from within the firewall of the battery. The back hoe removed firewalls as needed to access affected soils. Hand tools were used around piping and buried objects. Soils were excavated until visual staining was greatly reduced (or no longer present) and in-situ soils were olfactorally clean. Excavated soils were stockpiled on the pad.

Following excavation, four samples were collected at the limits of the excavation (S-1 through S-4) and two samples were collected around the oil tanks where impact was the highest (S-5 and S-6). All samples were collected at the surface of the excavation. Samples S-1 through S-4 were collected approximately six inches below the original surface of the battery floor. Samples S-5 and S-6 were collected approximately one foot below the original surface of the battery floor. The samples were analyzed for BTEX and TPH. Please see the analytical summary below and the attached laboratory report. Benzene

was detected in one sample. At one foot below surface, TPH was less than 5,000 mg/kg, total BTEX was less than 4.0 mg/kg, and chlorides were less than 100 mg/kg (samples collected previously).

Following the receipt of the samples analysis, Aaron Pachlhofer directed that a work crew and a backhoe backfill the excavation and remove the stockpiled soil for disposal at an E & P waste facility. Approximately 60 yards of soil were disposed at Lea Land LLC. Please see attached waste manifests.

### **Sample Results**

Sample results after the initial removal were:

	Benzene	Total BTEX	TPH
S-1 (N)	<0.0215	0.4442	165
S-2 (E)	<0.0235	0.0942	94.6
S-3 (S)	<0.0211	<0.0211	337
S-4 (W)	<0.0233	<0.0233	512
S-5	<0.0217	5.0543	4350
S-6	0.79	28.29	4880

Please note all results in mg/kg. See attached lab reports.

### **Conclusions**

1. The area affected by the spill was excavated below 5,000 mg/kg as required by the workplan submitted to NM OCD.
2. No waste remains onsite.
3. The excavation has been backfilled.

### **Recommendations**

Fasken recommends no further action for this spill.

If there are any questions or comments, please do not hesitate to contact Aaron Pachlhofer at the letterhead address or 432-687-1777 or aaronp@forl.com.

Thank You,

Aaron Pachlhofer

Attachments:

Aerial photo based site plan

Photographs

Laboratory Reports

Waste Manifests

Revised NM Form C-141

Aerial photo based site plan:



## Photographs



Battery sign



10/6/17 - Spill upon arrival. Looking south-southwest





10/6/17 - Spill upon arrival. Looking south-southeast



10/6/17 - Spill upon arrival. Looking north



10/6/17 - Spill upon arrival. Looking north west



10/19/17 - Removing oily soil. Looking southwest





10/19/17 - Removing oily soil. Looking south



10/19/17 - Removing oily soil. Looking north





10/19/17 - Removing oily soil. Looking south



10/19/17 - Soil removal completed. Looking south





10/19/17 - Soil removal completed. Looking southeast



10/19/17 - Soil removal completed. Looking south





11/7/17 - Excavation backfilled. Looking southwest





11/7/17 - Excavation backfilled. Looking north-northwest



11/7/17 - Excavation backfilled. Looking northwest



**PERMIAN BASIN  
ENVIRONMENTAL LAB, LP  
1400 Rankin Hwy  
Midland, TX 79701**



# Analytical Report

**Prepared for:**

Aaron Pachlhofer  
Fasken Oil & Ranch, Ltd.  
6101 Holiday Hill Road  
Midland, TX 79707

Project: Ling Federal

Project Number: [none]

Location: Lea CO

Lab Order Number: 7J20003



NELAP/TCEQ # T104704516-16-7

Report Date: 10/26/17

Fasken Oil & Ranch, Ltd.  
6101 Holiday Hill Road  
Midland TX, 79707

Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 (N)	7J20003-01	Soil	10/19/17 15:20	10-20-2017 10:15
S-2 (E)	7J20003-02	Soil	10/19/17 15:22	10-20-2017 10:15
S-3 (S)	7J20003-03	Soil	10/19/17 15:24	10-20-2017 10:15
S-4 (W)	7J20003-04	Soil	10/19/17 15:28	10-20-2017 10:15
S-5	7J20003-05	Soil	10/19/17 15:35	10-20-2017 10:15
S-6	7J20003-06	Soil	10/19/17 15:40	10-20-2017 10:15



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**S-1 (N)**  
**7J20003-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.0215	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B
<b>Toluene</b>	<b>0.102</b>	0.0430	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B
<b>Ethylbenzene</b>	<b>0.0942</b>	0.0215	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B
<b>Xylene (p/m)</b>	<b>0.160</b>	0.0430	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B
<b>Xylene (o)</b>	<b>0.0880</b>	0.0215	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B
<i>Surrogate: 1,4-Difluorobenzene</i>		114 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>7.0</b>	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	26.9	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M
<b>&gt;C12-C28</b>	<b>128</b>	26.9	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M
<b>&gt;C28-C35</b>	<b>37.5</b>	26.9	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		95.5 %	70-130		P7J2013	10/20/17	10/20/17	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		112 %	70-130		P7J2013	10/20/17	10/20/17	TPH 8015M
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>165</b>	26.9	mg/kg dry	1	[CALC]	10/20/17	10/20/17	calc

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**S-2 (E)**  
**7J20003-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.0235	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Toluene	ND	0.0471	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Ethylbenzene	ND	0.0235	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0518</b>	0.0471	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0424</b>	0.0235	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.4 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.0 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>15.0</b>	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	29.4	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M	
<b>&gt;C12-C28</b>	<b>94.6</b>	29.4	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P7J2013	10/20/17	10/20/17	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		102 %	70-130		P7J2013	10/20/17	10/20/17	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		118 %	70-130		P7J2013	10/20/17	10/20/17	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>94.6</b>	29.4	mg/kg dry	1	[CALC]	10/20/17	10/20/17	calc	

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**S-3 (S)**  
**7J20003-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.0211	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Toluene	ND	0.0421	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Ethylbenzene	ND	0.0211	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Xylene (p/m)	ND	0.0421	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Xylene (o)	ND	0.0211	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	5.0	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	28.9	26.3	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C12-C28	270	26.3	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C28-C35	38.5	26.3	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	337	26.3	mg/kg dry	1	[CALC]	10/20/17	10/21/17	calc	



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**S-4 (W)**  
**7J20003-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.0233	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Toluene	ND	0.0465	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Ethylbenzene	ND	0.0233	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Xylene (p/m)	ND	0.0465	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Xylene (o)	ND	0.0233	mg/kg dry	20	P7J2312	10/23/17	10/24/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.1 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.5 %	75-125		P7J2312	10/23/17	10/24/17	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	14.0	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	30.7	29.1	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C12-C28	414	29.1	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C28-C35	67.0	29.1	mg/kg dry	1	P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	512	29.1	mg/kg dry	1	[CALC]	10/20/17	10/21/17	calc	

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**S-5**  
**7J20003-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
Toluene	0.0702	0.0435	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
Ethylbenzene	0.0541	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
Xylene (p/m)	2.89	0.0435	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
Xylene (o)	2.04	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P7J2312	10/23/17	10/25/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.1 %	75-125		P7J2312	10/23/17	10/25/17	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	8.0	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	638	136	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C12-C28	3130	136	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
>C28-C35	582	136	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4350	136	mg/kg dry	5	[CALC]	10/20/17	10/21/17	calc	

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**S-6**  
**7J20003-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.79</b>	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
<b>Toluene</b>	<b>2.9</b>	0.0435	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
<b>Ethylbenzene</b>	<b>8.1</b>	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
<b>Xylene (p/m)</b>	<b>10.0</b>	0.0435	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
<b>Xylene (o)</b>	<b>6.5</b>	0.0217	mg/kg dry	20	P7J2312	10/23/17	10/25/17	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.9 %	75-125		P7J2312	10/23/17	10/25/17	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		102 %	75-125		P7J2312	10/23/17	10/25/17	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>10.0</b>	0.1	%	1	P7J2305	10/23/17	10/23/17	ASTM D2216	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>510</b>	139	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
<b>&gt;C12-C28</b>	<b>3910</b>	139	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
<b>&gt;C28-C35</b>	<b>460</b>	139	mg/kg dry	5	P7J2013	10/20/17	10/21/17	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		123 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		103 %	70-130		P7J2013	10/20/17	10/21/17	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>4880</b>	139	mg/kg dry	5	[CALC]	10/20/17	10/21/17	calc	



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**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2312 - General Preparation (GC)**

**Blank (P7J2312-BLK1)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0551		"	0.0600		91.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.0585		"	0.0600		97.5	75-125			

**LCS (P7J2312-BS1)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.109	0.00100	mg/kg wet				70-130			
Toluene	0.102	0.00200	"				70-130			
Ethylbenzene	0.117	0.00100	"				70-130			
Xylene (p/m)	0.196	0.00200	"				70-130			
Xylene (o)	0.113	0.00100	"				70-130			
Surrogate: 4-Bromofluorobenzene	0.0663		"	0.0600		110	75-125			
Surrogate: 1,4-Difluorobenzene	0.0628		"	0.0600		105	75-125			

**LCS Dup (P7J2312-BSD1)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.104	0.00100	mg/kg wet				70-130		20	
Toluene	0.0996	0.00200	"				70-130		20	
Ethylbenzene	0.109	0.00100	"				70-130		20	
Xylene (p/m)	0.218	0.00200	"				70-130		20	
Xylene (o)	0.104	0.00100	"				70-130		20	
Surrogate: 1,4-Difluorobenzene	0.0655		"	0.0600		109	75-125			
Surrogate: 4-Bromofluorobenzene	0.0661		"	0.0600		110	75-125			

**Calibration Blank (P7J2312-CCB1)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0619		"	0.0600		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.0618		"	0.0600		103	75-125			

Fasken Oil & Ranch, Ltd.  
6101 Holiday Hill Road  
Midland TX, 79707

Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2312 - General Preparation (GC)**

**Calibration Blank (P7J2312-CCB2)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.830		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0505		"	0.0600		84.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.0534		"	0.0600		89.1	75-125			

**Calibration Check (P7J2312-CCV1)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.105	0.00200	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.0583		"	0.0600		97.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.0646		"	0.0600		108	75-125			

**Calibration Check (P7J2312-CCV2)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0921	0.00200	"	0.100		92.1	80-120			
Ethylbenzene	0.0947	0.00100	"	0.100		94.7	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		98.8	80-120			
Xylene (o)	0.0997	0.00100	"	0.100		99.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.0624		"	0.0600		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.0580		"	0.0600		96.6	75-125			

**Calibration Check (P7J2312-CCV3)**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.0964	0.00200	"	0.100		96.4	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.0633		"	0.0600		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.0607		"	0.0600		101	75-125			



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Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

**Organics by GC - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2312 - General Preparation (GC)**

**Matrix Spike (P7J2312-MS1)**

**Source: 7J23003-05**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.0887	0.00110	mg/kg dry		0.000967		80-120			
Toluene	0.0880	0.00220	"		ND		80-120			
Ethylbenzene	0.104	0.00110	"		0.00355		80-120			
Xylene (p/m)	0.200	0.00220	"		0.00754		80-120			
Xylene (o)	0.0891	0.00110	"		ND		80-120			
Surrogate: 4-Bromofluorobenzene	0.0705		"	0.0659		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.0684		"	0.0659		104	75-125			

**Matrix Spike Dup (P7J2312-MSD1)**

**Source: 7J23003-05**

Prepared: 10/23/17 Analyzed: 10/24/17

Benzene	0.0936	0.00110	mg/kg dry		0.000967		80-120		20	
Toluene	0.0884	0.00220	"		ND		80-120		20	
Ethylbenzene	0.114	0.00110	"		0.00355		80-120		20	
Xylene (p/m)	0.208	0.00220	"		0.00754		80-120		20	
Xylene (o)	0.0926	0.00110	"		ND		80-120		20	
Surrogate: 1,4-Difluorobenzene	0.0704		"	0.0659		107	75-125			
Surrogate: 4-Bromofluorobenzene	0.0740		"	0.0659		112	75-125			

Fasken Oil & Ranch, Ltd.  
6101 Holiday Hill Road  
Midland TX, 79707

Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2305 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P7J2305-BLK1)</b>		Prepared & Analyzed: 10/23/17							
% Moisture	ND	0.1	%						
<b>Duplicate (P7J2305-DUP1)</b>		<b>Source: 7J19010-02</b>		Prepared & Analyzed: 10/23/17					
% Moisture	3.0	0.1	%		3.0			0.00	20
<b>Duplicate (P7J2305-DUP2)</b>		<b>Source: 7J19017-07</b>		Prepared & Analyzed: 10/23/17					
% Moisture	10.0	0.1	%		9.0			10.5	20
<b>Duplicate (P7J2305-DUP3)</b>		<b>Source: 7J20002-05</b>		Prepared & Analyzed: 10/23/17					
% Moisture	16.0	0.1	%		15.0			6.45	20
<b>Duplicate (P7J2305-DUP4)</b>		<b>Source: 7J20004-20</b>		Prepared & Analyzed: 10/23/17					
% Moisture	12.0	0.1	%		12.0			0.00	20

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6101 Holiday Hill Road  
Midland TX, 79707

Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2013 - General Preparation (GC)**

**Blank (P7J2013-BLK1)**

Prepared & Analyzed: 10/20/17

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
<i>Surrogate: 1-Chlorooctane</i>	<i>103</i>		<i>"</i>	<i>100</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: o-Terphenyl</i>	<i>59.1</i>		<i>"</i>	<i>50.0</i>		<i>118</i>	<i>70-130</i>			

**LCS (P7J2013-BS1)**

Prepared & Analyzed: 10/20/17

C6-C12	883	25.0	mg/kg wet	1000		88.3	75-125			
>C12-C28	873	25.0	"	1000		87.3	75-125			
<i>Surrogate: 1-Chlorooctane</i>	<i>121</i>		<i>"</i>	<i>100</i>		<i>121</i>	<i>70-130</i>			
<i>Surrogate: o-Terphenyl</i>	<i>59.3</i>		<i>"</i>	<i>50.0</i>		<i>119</i>	<i>70-130</i>			

**LCS Dup (P7J2013-BSD1)**

Prepared & Analyzed: 10/20/17

C6-C12	880	25.0	mg/kg wet	1000		88.0	75-125	0.314	20	
>C12-C28	877	25.0	"	1000		87.7	75-125	0.436	20	
<i>Surrogate: 1-Chlorooctane</i>	<i>119</i>		<i>"</i>	<i>100</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: o-Terphenyl</i>	<i>53.0</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>70-130</i>			

**Calibration Blank (P7J2013-CCB1)**

Prepared & Analyzed: 10/20/17

C6-C12	13.6		mg/kg wet							
>C12-C28	20.0		"							
<i>Surrogate: 1-Chlorooctane</i>	<i>96.6</i>		<i>"</i>	<i>100</i>		<i>96.6</i>	<i>70-130</i>			
<i>Surrogate: o-Terphenyl</i>	<i>54.7</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>70-130</i>			

**Calibration Blank (P7J2013-CCB2)**

Prepared: 10/20/17 Analyzed: 10/21/17

C6-C12	12.6		mg/kg wet							
>C12-C28	21.8		"							
<i>Surrogate: 1-Chlorooctane</i>	<i>98.5</i>		<i>"</i>	<i>100</i>		<i>98.5</i>	<i>70-130</i>			
<i>Surrogate: o-Terphenyl</i>	<i>57.2</i>		<i>"</i>	<i>50.0</i>		<i>114</i>	<i>70-130</i>			



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Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P7J2013 - General Preparation (GC)**

**Calibration Check (P7J2013-CCV1)**

Prepared & Analyzed: 10/20/17

C6-C12	558	25.0	mg/kg wet	500		112	85-115			
>C12-C28	522	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	60.8		"	50.0		122	70-130			

**Calibration Check (P7J2013-CCV2)**

Prepared: 10/20/17 Analyzed: 10/21/17

C6-C12	565	25.0	mg/kg wet	500		113	85-115			
>C12-C28	542	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	60.1		"	50.0		120	70-130			

**Calibration Check (P7J2013-CCV3)**

Prepared: 10/20/17 Analyzed: 10/21/17

C6-C12	565	25.0	mg/kg wet	500		113	85-115			
>C12-C28	562	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	60.6		"	50.0		121	70-130			

**Matrix Spike (P7J2013-MS1)**

Source: 7J20004-06

Prepared: 10/20/17 Analyzed: 10/23/17

C6-C12	1120	28.4	mg/kg dry	1140	16.8	97.5	75-125			
>C12-C28	1870	28.4	"	1140	622	110	75-125			
Surrogate: 1-Chlorooctane	148		"	114		130	70-130			
Surrogate: o-Terphenyl	67.7		"	56.8		119	70-130			

**Matrix Spike Dup (P7J2013-MSD1)**

Source: 7J20004-06

Prepared: 10/20/17 Analyzed: 10/23/17

C6-C12	1140	28.4	mg/kg dry	1140	16.8	99.0	75-125	1.59	20	
>C12-C28	2150	28.4	"	1140	622	134	75-125	19.8	20	QM-07
Surrogate: 1-Chlorooctane	141		"	114		124	70-130			
Surrogate: o-Terphenyl	73.4		"	56.8		129	70-130			

Fasken Oil & Ranch, Ltd.  
6101 Holiday Hill Road  
Midland TX, 79707

Project: Ling Federal  
Project Number: [none]  
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

### Notes and Definitions

QM-07     The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BULK     Samples received in Bulk soil containers

DET     Analyte DETECTED

ND     Analyte NOT DETECTED at or above the reporting limit

NR     Not Reported

dry     Sample results reported on a dry weight basis

RPD     Relative Percent Difference

LCS     Laboratory Control Spike

MS     Matrix Spike

Dup     Duplicate

Report Approved By:



Date: 10/26/2017

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP  
10014 S. County Road 1213  
Midland, Texas 79706

Phone: 432-686-7235

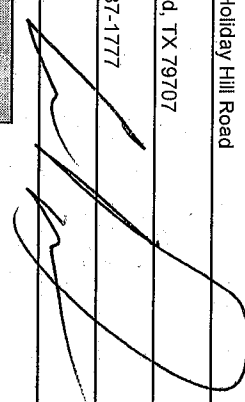
Project Manager: Aaron Pachhofer

Company Name: Fasken Oil and Ranch, Ltd

Company Address: 6101 Holiday Hill Road

City/State/Zip: Midland, TX 79707

Telephone No: 432-687-1777

Sampler Signature: 

Fax No: 432-687-1570

e-mail: aaronp@forl.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Ling Federal

Project #:

Project Loc: Lea County, NM


PO #:


(lab use only)  
ORDER #: 1520003


LAB # (lab use only)																													
FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions Cl, SO <sub>4</sub> , Alkalinity	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Glycol	RUSH TAT (Pre-Schedule) 24, 48, 72	Standard TAT
S-1 (N)			10/19/2017	15:20		X									S	X								X				X	
S-2 (E)			10/19/2017	15:22		X									S	X								X				X	
S-3 (S)			10/19/2017	15:24		X									S	X								X				X	
S-4 (W)			10/19/2017	15:28		X									S	X								X				X	
S-5			10/19/2017	15:35		X									S	X								X				X	
S-6			10/19/2017	15:40		X									S	X								X				X	

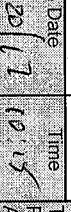
### Special Instructions:

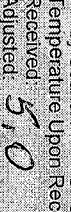
Relinquished by: Aaron Pachhofer	Date 10/20/17	Time 10:15	Received by:	Date	Time
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# LEA LAND DISPOSAL SITE NEW MEXICO

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

GCI

### NON-HAZARDOUS WASTE MANIFEST

NO

119946

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

2. TRAILER NO.

858

GENERATOR'S CERTIFICATION

#### 3. COMPANY NAME

Fasken Oil & Ranch LTD

#### PHONE NO.

432-6871777

#### 4. ADDRESS

303 W. Wall St Suite 1800

#### CITY

Midland

#### STATE

TX

#### ZIP

79701

#### 5. PICK-UP DATE

10/19/2017

#### 6. TNRCC I.D. NO.

#### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated, Non-Hazardous Waste

#### 8. CONTAINERS

No.

Type

1

CM

#### 9. TOTAL QUANTITY

#### 10. UNIT Wt/Vol.

#### 11. TEXAS WASTE ID #

#### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

LING FEDERAL BATTERY

#### 13. WASTE PROFILE NO.

#### 14.

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

#### NAME

JOE ONTIVEROS

#### 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:

GCI INC.

#### TEXAS I.D. NO.

#### IN CASE OF EMERGENCY CONTACT:

#### EMERGENCY PHONE:

JOE RODRIGUEZ

(575) 393-3180

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

#### PRINTED/TYPED NAME

Felix R. Antillon

#### SIGNATURE

Felix R. Antillon

#### DATE

10/19/2017

#### 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

Santos Gonzalez

#### CELL NO.

#### DATE

10/19/2017

#### TIME

4:00

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

# 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

GCI

### NON-HAZARDOUS WASTE MANIFEST

NO

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#### 3. COMPANY NAME

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303 W. Wall St Suite 1800

#### CITY

Midland

#### STATE

TX

#### ZIP

79701

#### 5. PICK-UP DATE

10/20/2017

#### 6. TNRCC I.D. NO.

#### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated, Non-Hazardous Waste

#### 8. CONTAINERS

No.

Type

1

CM

#### 9. TOTAL QUANTITY

#### 10. UNIT Wt/Vol.

#### 11. TEXAS WASTE ID #

#### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

LING FEDERAL BATTERY

#### 13. WASTE PROFILE NO.

TP 55,360

#### 14.

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

#### NAME

JOE ONTIVEROS

#### 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

TRANSPORTER'S CERTIFICATION

#### 16. TRANSPORTER (1)

#### NAME:

GCI INC.

#### TEXAS I.D. NO.

#### IN CASE OF EMERGENCY CONTACT:

#### EMERGENCY PHONE:

JOE RODRIGUEZ

(575) 393-3180

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

#### PRINTED/TYPED NAME

Felix R Antillon

#### SIGNATURE

Felix R Antillon

#### DATE

10/20/2017

#### 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 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

Santa Monica

#### CELL NO.

#### DATE

10/20/2017

#### TIME

8:25

# 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

GCI

### NON-HAZARDOUS WASTE MANIFEST

NO

119949

1. PAGE OF

2. TRAILER NO.

27385

3. COMPANY NAME

Fasken Oil & Ranch LTD

4. ADDRESS

303 W. Wall St Suite 1800

5. PICK-UP DATE

10/20/2017

PHONE NO.

432-8871777

CITY

Midland

STATE

TX

ZIP

79701

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated Non-Hazardous Waste

8. CONTAINERS  
No. Type

1

CM

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

b.

c.

d.

12. COMMENTS OR SPECIAL INSTRUCTIONS:

LING FEDERAL BATTERY

13. WASTE PROFILE NO.

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME  
JOE ONTIVEROS

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

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

Santos Monzalez

CELL NO.

DATE

10/20/2017

TIME

8:50



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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: Fasken Oil and Ranch, Ltd	Contact: Aaron Pachlhofer
Address: 6101 Holiday Hill Road, Midland, TX, 79707	Telephone No.: 432-687-1777
Facility Name: Ling Federal Tank Battery (Comingled)	Facility Type: Tank Battery

Surface Owner: Larry Hughes	Mineral Owner: BLM	API No.: N/A
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**LOCATION OF RELEASE**

Unit Letter B	Section 31	Township 19S	Range 34E	Feet from the	North/South Line	Feet from the	East/West Line	County LEA
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Latitude 32.622030° Longitude -103.597460°

**NATURE OF RELEASE**

Type of Release: Crude Oil	Volume of Release 40	Volume Recovered 31
Source of Release: Tanks	Date and Hour of Occurrence: 10/4/17 unknown time	Date and Hour of Discovery 10/5/17, 8:30 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Reported <u>Olivia Yu</u>	
By Whom? Aaron Pachlhofer	Date and Hour: 10/5/17, ~2:30 p.m. CST	
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.\*

N/A

**APPROVED**

*By Olivia Yu at 3:16 pm, Jan 26, 2018*

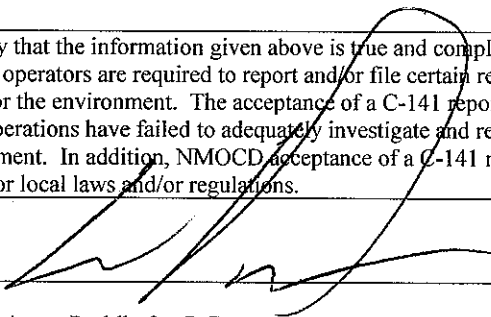

Describe Cause of Problem and Remedial Action Taken.\*

Spill resulted from vandalism by gunfire. Free oil removed via vacuum truck.

Describe Area Affected and Cleanup Action Taken.\*

Affected area fully contained within firewall of battery. Affected soils removed to below 5,000 mg/kg TPH and disposed at Lea Land Disposal.

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: Aaron Pachlhofer, P.G.	Approved by Environmental Specialist: 	
Title: Environmental Coordinator	Approval Date: <u>1/26/2018</u>	Expiration Date: <u>xx/xx/xxxx</u>
E-mail Address: aaronp@forl.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/15/17 Phone: 432-687-1777		

\* Attach Additional Sheets If Necessary

**1RP-4842**