

## **Remediation Summary and Closure Request**

FAE II Operating, LLC Moberly #12 Lea County, New Mexico Unit Letter "H", Section 20, Township 26 South, Range 37 East Latitude 32.030548 North, Longitude 103.178436 West NMOCD Incident # nAPP2313635015

Prepared For:

FAE II Operating, LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079

Prepared By:

Hungry Horse, LLC 4024 Plains Hwy Lovington, NM 88260 Office: (575) 393-3386

December 2023

Bradley Wells

Bradley Wells Project Manager bwells@hungry-horse.com

Daniel Domingue:

Environmental Manager ddominguez@hungry-horse.com

## **Table Of Contents**

Background	1
NMOCD Site Classification	1
Delineation and Remediation Activities	2
Restoration, Reclamation, and Re-Vegetation	2
Closure Request	3
Limitations	3
Distribution	4

### **Figures**

Figure 1 – Topographic Map Figure 2 – OSE POD Locations Map Figure 3 – USGS Well Locations Map Figure 4 – Delineation Sample Map Figure 5 – Excavation Sample Map

### Tables

Table 1 – Summary of Soil Sample Laboratory Analytical Results

### Attachments

Attachment I – Karst and Wetland Maps Attachment II – NMOCD Correspondence Attachment III – Site Photographs Attachment IV – Field Data Attachment V – Depth to Groundwater Attachment VI – Laboratory Analytical Reports Attachment VII – NMOCD Form Initial C-141



The following *Remediation Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

### **Background:**

The site is located in Unit Letter H (SE/NE), Section 20, Township 26 South, Range 37 East, approximately six miles south of Jal, in Lea County, New Mexico. The site is located on private land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred at an active oil well; Latitude 32.030548 North, Longitude 103.178436 West. The Initial NMOCD Form C-141 indicated that on April 20, 2023 approximately 5 bbls of crude oil were released due to a leaking separator. A crew was dispatched to the release site and the separator was repaired. Approximately 2 bbls of fluid was recovered. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

### **NMOCD Site Classification:**

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is located in a Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment V and the results are depicted on Figures 2 & 3.

One water well was located in the vicinity of the release area. USGS well 320204103093501 was located 1.09 miles northeast of the location. Gauging in 2001 indicated depth to water of approximately 92.46 feet bgs. However, as the release occurred within a Karst designated area, the site was remediated according to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
	Chloride	EPA 300.0 or SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
50' – 100'	GRO + DRO	EPA SW-846 Method 8015M Ext	NA
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg



### **Delineation and Remediation Activities:**

On October 12, 2023, Hungry Horse conducted an initial site assessment consisting of photographing, mapping, and sampling the release area. During sampling, hand augered test bores were advanced throughout the affected area in an effort to determine the vertical extent of contamination. These sample locations are identified by SP designation. On October 19, 2023, hand augered sample bores were advanced along the outside edges of the affected area in an effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the hand augered sample bores, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab<sup>®</sup> chloride test kit.

Based on field observations and field test data noted above and provided in Attachment IV, thirteen representative soil samples were selected for laboratory analysis. Delineation soil samples SP1 through SP3, HZ1 through HZ4, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples, with the exception of SP1 at Surface, SP3 at one-foot bgs, and HZ4 at Surface and one-foot bgs, which exhibited TPH and/or chloride concentrations in excess of NMOCD Closure Criteria.

On November 9, 2023, the release area was excavated to a depth ranging from one to five feet bgs. Excavated contaminated soil was temporarily stockpiled onsite, atop plastic, before transport to an NMOCD approved disposal facility.

On December 1, 2023, four composite confirmation soil samples were collected from the excavation floor and sidewalls, every 200 square feet and every 50 linear feet, respectively. Soil samples FL1, FL2, SW1, and SW2, were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

The excavated area measured approximately four hundred square feet. During remediation activities approximately 50 cubic yards of impacted soil were excavated and hauled to an NMOCD approved disposal facility.

A Delineation Sample Map and Excavation Sample Map are provided as Figure 4 and Figure 5, respectively. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

### Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, clean, non-impacted soil. The area was contoured to achieve erosion control and preserve surface water flow.

As the affected area is located on an active well pad, no seeding activities will be required.

### **Closure Request:**

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, FAE II Operating, LLC respectfully requests closure of the Moberly #12 location, nAPP2313635015.

#### Limitations:

Hungry Horse, LLC, has prepared this *Remediation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Page 6 of 75

### Distribution:

**FAE II Operating, LLC** 11757 Katy Freeway, Suite 725 Houston, TX 77079

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First St. Artesia, NM 88210

DK Boyd 3317 Andrews Hwy Midland, TX 79703

## Figures

Received by OCD: 12/18/2023 4:48:16 PM



**Released to Imaging: 3/18/2024 11:38:36 AM** 









## Table

#### TABLE 1 Summary of Soil Sample Laboratory Analytical Results FAE II Operating, LLC Moberly #12 NMOCD Ref. #: nAPP2313635015

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	10/12/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
SP2	10/12/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
3F2	10/12/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP3	10/12/23	Surf	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
353	10/12/23	1	Excavated	<0.050	<0.300	<10.0	400	400	262	662	<16.0
HZ1	10/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	10/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ2	10/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
пдд	10/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
HZ3	10/19/23	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
пдэ	10/19/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
1174	10/19/23	Surf	Excavated	<0.050	<0.300	<10.0	81.1	81.1	13.0	94.1	16.0
HZ4	10/19/23	1	Excavated	<0.050	<0.300	<10.0	1,210	1,210	442.0	1,652	48.0
FL1	12/1/23	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL2	12/1/23	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW1	12/1/23	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW2	12/1/23	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NMOCD (	10	50	-	-	N/A	-	100	600			

# Attachment I Karst and Wetland Maps

# Moberly #12



#### 12/4/2023

 Karst Type
 Volcanic

 Carbonate
 World Imagery

 Erosional
 Low Resolution 15m Imagery

 Gypsum
 High Resolution 60cm Imagery

High Resolution 30cm Imagery Citations 150m Resolution Metadata



U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US., Earthstar Geographics

**Released to Imaging: 3/18/2024 11:38:36 AM** 

### U.S. Fish and Wildlife Service

# **National Wetlands Inventory**



#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

**Freshwater Pond** 

Lake Other Riverine Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

#### Released to Imaging: 3/18/2024 11:38:36 AM

# Attachment II NMOCD Correspondence

#### **Daniel Dominguez**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, November 28, 2023 8:46 AM
То:	Daniel Dominguez
Cc:	Tyler Van Howe; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Closure Samples

Good morning Daniel,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Daniel Dominguez <ddominguez@hungry-horse.com>
Sent: Tuesday, November 28, 2023 7:05 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Tyler Van Howe <tyler@faenergyus.com>
Subject: [EXTERNAL] Closure Samples

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be collecting closure samples at the Moberly #12 (nAPP2313635015) on Friday, December 1, 2023, at 11 am. This is our 2 day notice

Daniel Dominguez Environmental Manager Hungry Horse, LLC (m) 575-408-3134 ddominguez@hungry-horse.com

#### **Tyler Van Howe**

From: Sent: To: Cc:	Velez, Nelson, EMNRD <nelson.velez@emnrd.nm.gov> Tuesday, October 17, 2023 1:54 PM Tyler Van Howe Bratcher, Michael, EMNRD</nelson.velez@emnrd.nm.gov>
Subject:	Re: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC
Follow Up Flag: Flag Status:	Follow up Flagged
Categories:	IMPORTANT

External (nelson.velez@emnrd.nm.gov)

Report This Email FAQ GoDaddy Advanced Email Security, Powered by INKY

Good afternoon Tyler,

Your request for a sixty-day extension on the incident numbers listed below are approved to December 18, 2023.

- 1. Federal F #002 (API: 30-025-25077); Incident Number: nAPP2313632338
- 2. Federal F #003 (API: 30-025-25834); Incident Number: nAPP2313543757
- 3. Federal F #004 (API: 30-025-26061); Incident Number: nAPP2313546854
- 4. Moberly Rhodes WF Project #012 (API: 30-025-12017); Incident Number: nAPP2313635015
- 5. Moberly Rhodes WF Project #010 / CTB (API: 30-025-12017); Incident Number: nAPP2313634226.

Please keep a copy of this communication for inclusion within the appropriate report submittals.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Tyler Van Howe <tyler@faenergyus.com>
Sent: Monday, October 16, 2023 12:48 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Tyler Van Howe <tyler@faenergyus.com>
Subject: RE: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

#### Good Afternoon, Mike,

We hired a 3<sup>rd</sup> party environmental remediation company, Hungry Horse, to assist on the below 5 minor releases with extensions approved through October 19, 2023. The site assessments, mapping, and field testing/sampling on all 5 of the locations have been done. We also started the delineation process, but we're going to need some additional time to mobilize a backhoe and associated equipment to continue with further delineation.

We are currently in the process of sending in samples to Cardinal Labs (usually takes about a week for results to come back from the lab) and would like to request an additional 60 days for remediation work to get any remaining affected areas dug out, confirmation samples collected, and finalized reports put together to close out these releases.

If there's any information you may need as far as site pictures or details of the work that has been completed by Hungry Horse, please let me know and I can provide that info. Thank you for your understanding and working with us as we are trying to get these incidents closed out as quickly as possible.

Thank you, Tyler D. Van Howe |*Production Engineer*  **forty acres energy** 11757 Katy Freeway, Suite 725 | Houston, TX 77079 C 281.798.4516 E tyler@faenergyus.com

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Wednesday, July 12, 2023 2:42 PM
To: Tyler Van Howe <tyler@faenergyus.com>
Cc: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

Tyler,

Your request for a ninety day extension on the incident numbers listed below and on the attached letter, is approved to October 19, 2023. Note the remediation due date was July 19, 2023 for these incidents. This extension is for remedial work only. Any other infractions noted on the OCD field inspections are not included in this approval. Those items will need to be addressed with Mr. Bolton.

Please include a copy of this and all correspondence, including the attached letter, in your reports to insure inclusion in the project file.

Thank you,

Mike Bratcher • Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | <u>mike.bratcher@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd



From: Tyler Van Howe <<u>tyler@faenergyus.com</u>>
Sent: Thursday, July 6, 2023 5:05 PM
To: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>
Subject: [EXTERNAL] Extension Request for Releases - FAE II Operating LLC

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon, Mike,

As per our conversation earlier today, please see the attached letter requesting a 90-day extension (past the required listed compliance date of 7/27/2023) regarding the below releases. These were all historical releases that were identified and brought to our attention following recent field inspections.

- 1. Federal F #002 (API: 30-025-25077); Incident Number: nAPP2313632338
- 2. Federal F #003 (API: 30-025-25834); Incident Number: nAPP2313543757
- 3. Federal F #004 (API: 30-025-26061); Incident Number: nAPP2313546854
- 4. Moberly Rhodes WF Project #012 (API: 30-025-12017); Incident Number: nAPP2313635015
- 5. Moberly Rhodes WF Project #010 / CTB (API: 30-025-12017); Incident Number: nAPP2313634226

If you have any questions or need any additional information, please don't hesitate to reach out. Thank you again for your understanding as we are diligently trying to get these issues resolved.

Thank you, Tyler D. Van Howe |*Production Engineer* **forty acres energy** 11757 Katy Freeway, Suite 725 | Houston, TX 77079

**C** 281.798.4516

E tyler@faenergyus.com

## Attachment III Site Photographs







## Photographs





## Attachment IV Field Data

Sample Log

	10-13-23
Date:	Moberty 12
GPS:	1

Hungry Horse, LLC Project: Mohorly Karst: Yes ( Water: <50' Standard: TPH 100mg/kg, Chloride 600mg/kg

Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1	Sort		4.8@ 223×4 = 892	
	11		5.60301×4=1,204	
	2'		4.8022384= 892	
	3'	1	3.8@ 146×4= 584	
	M		3.8@ 146×4= 584	
5P2	Sort		4.4@ 19084= 760	
01 // ×	1,		3.00 98×4- 392	
	21		1.4@ 30X4= 120	
	3'		1.10 000 1000	
	4'	1		
SP3	Surf		4.00 160×4=640	
	l		2.6@ 7884=312	
	A'		and tor to all	
	21	-		
	L L			
HZ1	4' Surf		3.20 109×4 = 436	10-19-23 Collected
1164	11		2.60 78X4 = 312	1 10-19-27 Correcter
HZ2	Surt	-		
Mad	SULT		3.00 89.14= 354	1
11-2	Suff		2.40 68×4= 30 272	
HZ3	JUST		2.60 7814 = 312	
11-0 11	Surf		2,4 @ 68×4=272	
HZH	Surt		3.00 89×4 = 356	V
	-		2.6e78X4=312	VY
	1			
	-			
	-			
Sample Point = SP1	@ ## otc		Horizontal = HZ1 etc	Test Trench = TT1 @ ##

Sidewall = SW1 etc

Resamples= SP1b @ 5' or SW #1b Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

### Sample Log

Hungry Horse, LLC

Project: Moberly #12

Karst: Yes Water: <50' Standard: TPH 100mg/kg, Chloride 600mg/kg Date: 12 - 1-23 GPS: 32.030548, -103.178436 Sampler: Jerry Heidelberg

Sample ID	Depth	PID/Odor	Chloride	GPS
FLI	F.		3,4012184 = 484	
FL2	5'		3.20 109×4=436	
1 1000			STR TETRI DIR	
SWI	11/2'		2.80 88×4= 352	
- On t				
SW2	21/2		3.0@98×4= 392	
- AAAD	ara		100 100 100	
	-			
		1	n	
	-			
	1		i	
	-			
	-			
		1		
		(Trans)		

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Sidewall = SW1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

# Attachment V Depth to Groundwater

## New Mexico Office of the State Engineer Wells with Well Log Information

		lo wells found.		
UTMNAD83 Ra	<u>dius Search (in meters):</u>			
Easting (X):	672012.13	Northing (Y):	3545272.24	Radius: 805
The data is furnished by particular purpose of the		y 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
12/4/23 2:48 PM				WELLS WITH WELL LOG INFORMATION

Released to Imaging: 3/18/2024 11:38:36 AM

USGS Home Contact USGS Search USGS



**National Water Information System: Web Interface** 

**USGS** Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 V

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔝

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

#### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320204103093501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320204103093501 26S.37E.16.44211

Lea County, New Mexico Latitude 32°02'04", Longitude 103°09'35" NAD27 Land-surface elevation 2,986 feet above NAVD88 This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer. **Output formats** 

output formats								
Table of data								
Tab-separated data								
Graph of data								
Reselect period								

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source ( measur(
1970-12-01		D	62610		2887.87	NGVD29	1	Z		
1970-12-01		D	62611		2889.20	NAVD88	1	Z		
1970-12-01		D	72019	96.80			1	Z		
1976-01-08		D	62610		2888.79	NGVD29	1	Z		
1976-01-08		D	62611		2890.12	NAVD88	1	Z		
1976-01-08		D	72019	95.88			1	Z		
1981-03-13		D	62610		2890.14	NGVD29	1	Z		
1981-03-13		D	62611		2891.47	NAVD88	1	Z		
1981-03-13		D	72019	94.53			1	Z		
1986-03-06		D	62610		2890.81	NGVD29	1	Z		
1986-03-06		D	62611		2892.14	NAVD88	1	Z		
1986-03-06		D	72019	93.86			1	Z		
1990-11-14		D	62610		2886.70	NGVD29	1	Z		
1990-11-14		D	62611		2888.03	NAVD88	1	Z		
1990-11-14		D	72019	97.97			1	Z		
1996-02-28		D	62610		2892.21	NGVD29	1	S		
1996-02-28		D	62611		2893.54	NAVD88	1	S		

#### Received by OCD: 12/18/2023 4:48:16 PM

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source ( measur(
1006 02 28		D	72010	02.46			1	S		
1996-02-28 2001-03-06		D	72019 62610	92.46	2892.21	NGVD29	1	S		
2001-03-06		D	62611		2893.54	NAVD88	1	S		
2001-03-06		D	72019	92.46			1	S		

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

<u>Questions or Comments</u> <u>Automated retrievals</u> <u>Help</u> <u>Data Tips</u> <u>Explanation of terms</u> <u>Subscribe for system changes</u> <u>News</u>

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-12-15 08:36:40 EST 0.28 0.24 nadww01 USA.gov

## Attachment VI Laboratory Analytical Reports


October 23, 2023

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: MOBERLY #12

Enclosed are the results of analyses for samples received by the laboratory on 10/18/23 16:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/18/2023	Sampling Date:	10/12/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SP 1 - SURF (H235692-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.16	108	2.00	1.97	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	3.10	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.25	112	2.00	0.227	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.41	107	6.00	1.30	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	10/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	1.14	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.0	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/18/2023	Sampling Date:	10/12/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SP 2 - SURF (H235692-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.16	108	2.00	1.97	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	3.10	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.25	112	2.00	0.227	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.41	107	6.00	1.30	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	1.14	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.0	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/18/2023	Sampling Date:	10/12/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SP 2 - 2' (H235692-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.16	108	2.00	1.97	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	3.10	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.25	112	2.00	0.227	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.41	107	6.00	1.30	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	1.14	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.0	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/18/2023	Sampling Date:	10/12/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SP 3 - SURF (H235692-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.16	108	2.00	1.97	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	3.10	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.25	112	2.00	0.227	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.41	107	6.00	1.30	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	1.14	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.0	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/18/2023	Sampling Date:	10/12/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SP 3 - 1' (H235692-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.16	108	2.00	1.97	
Toluene*	<0.050	0.050	10/19/2023	ND	2.21	111	2.00	3.10	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.25	112	2.00	0.227	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.41	107	6.00	1.30	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	1.14	
DRO >C10-C28*	400	10.0	10/18/2023	ND	160	80.0	200	4.07	
EXT DRO >C28-C36	262	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marlan (575) 393-2326									_							_	_								
Company Name	: Forty Acres									_	_	BIL	L TO						ANA	YSIS	REC	QUES	Т			-
Project Manage	r: Daniel Doming	uez				_			P	0. #:	-															L L
Address: PO	Box 1058			_					С	ompa	- 1		Forty Ac	res												
City: Hobbs		State:	NM	Zi	p:	3824	1		A	ttn:	Tyle	er Va	an Howe													
Phone #: 575	393-3386	Fax #:							A	ddres	ss:	1175	7 Katy FWY	Suite 725		-	-		-	-	-	-	-		-	-
Project #:		Project	Owner:	Fort	y Acr	es			С	ity:	Hou	stor	n													
Project Name:	Moberly #12	1							s	tate:	ΤХ	1	Zip: 77079	9												
Project Location	: UL/ H Sec 20 1	26S - R3	7E						P	hone	#:	806	420-8278													
Sampler Name:	Jerry Heidelbe	ra		-	-				F	ax #:																
FOR LAB USE ONLY	leave a second	3		T		-	MAT	RIX	-		ESE	RV.	SAMPLI	NG					1	0						
Lab I.D.	Samp	le I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	трн	BTEX 8021									
1	SP1-Surf			G	1		X				X		10/12/23		х	X	X	-	-		-			-		-
2	SP2-Surf			G	1		X				X		10/12/23		X	X	X	-	-	-		-	-	-	-	-
3	SP2-2'			G	1		X				X		10/12/23		Х	X	X	-	-	-	-	-	-			-
4	SP3-Surf			G	1		X		-		X		10/12/23		X	X	X	-	-	-	-	-	-	-	-	-
5	SP3-1'			G	1	-	X		+	+	X		10/12/23		X	X	X	-	-	-	-	-				
				F		+							-													
analyses. All claims includ actions. In no event shall of artifiates or succeptions are Relinquished B Relinquished B Delivered By	w	other cause wh consequental d mance of service Tail Til Da Til	abover shall be de amages, including w shereunder by Car tte: 0-17-23 me: 1611 ite: me:	erned v rithout li rdinal, re	raived u mitation gardle ceiv	nless ma , busines s of where red B red B	de in wr s intern. ther suc V: V: V: V:	iting and ptions, li h claim i	ditio	ed by Ca ise, or lo d upon a	CH	ECK	O days after comp ocurred by client, i	pletion of the app is subsidiaries,	sult: It: RKS:	□ Ye □ Ye s to:	pm@				n					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 12/18/2023 4:48:16 PM



October 26, 2023

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: MOBERLY #12

Enclosed are the results of analyses for samples received by the laboratory on 10/20/23 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 1 - SURF (H235764-01)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.00	100	2.00	1.06	
Toluene*	<0.050	0.050	10/24/2023	ND	2.06	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.05	102	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.19	103	6.00	0.355	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	203	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	204	102	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 1 - 1' (H235764-02)

BTEX 8021B	mg,	′kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.00	100	2.00	1.06	
Toluene*	<0.050	0.050	10/24/2023	ND	2.06	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.05	102	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.19	103	6.00	0.355	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	203	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	204	102	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 2 - SURF (H235764-03)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.00	100	2.00	1.06	
Toluene*	<0.050	0.050	10/24/2023	ND	2.06	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.05	102	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.19	103	6.00	0.355	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	203	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	204	102	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 2 - 1' (H235764-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.01	101	2.00	1.91	
Toluene*	<0.050	0.050	10/24/2023	ND	2.15	108	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.10	105	2.00	2.38	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.37	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	203	101	200	3.39	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	204	102	200	5.46	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

#### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 3 - SURF (H235764-05)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.01	101	2.00	1.91	
Toluene*	<0.050	0.050	10/24/2023	ND	2.15	108	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.10	105	2.00	2.38	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.37	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	189	94.6	200	12.1	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	167	83.3	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	54.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	51.7	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 3 - 1' (H235764-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.01	101	2.00	1.91	
Toluene*	<0.050	0.050	10/24/2023	ND	2.15	108	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.10	105	2.00	2.38	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.37	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	189	94.6	200	12.1	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	167	83.3	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.3	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 4 - SURF (H235764-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.01	101	2.00	1.91	
Toluene*	<0.050	0.050	10/24/2023	ND	2.15	108	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.10	105	2.00	2.38	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.37	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2023	ND	189	94.6	200	12.1	
DRO >C10-C28*	81.1	10.0	10/23/2023	ND	167	83.3	200	15.0	
EXT DRO >C28-C36	13.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	56.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	57.0	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/20/2023	Sampling Date:	10/19/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Tamara Oldaker
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: HZ 4 - 1' (H235764-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	2.01	101	2.00	1.91	
Toluene*	<0.050	0.050	10/24/2023	ND	2.15	108	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.10	105	2.00	2.38	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.37	106	6.00	1.40	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	189	94.6	200	12.1	
DRO >C10-C28*	1210	10.0	10/24/2023	ND	167	83.3	200	15.0	
EXT DRO >C28-C36	442	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

**CARDINAL** Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	the second se	6 FAX (575) 393-24	10	-			-	T	-	-	BI	LL TO		ANALYSIS REQUEST										
Company Name:	Forty Acres Daniel Doming	1007		-			-	+	P.O. #:															
Project Manager:	Box 1058	9062		-				$\rightarrow$	Company Forty Acres															
	502 1050	State: NM	Zi	p:	8824	1		-	Attn	·	-	an Howe												
	393-3386	Fax #:		p.,	001	-						57 Katy FWY	Suite 725											
	333-3300	Project Owner:	Fort	v Ac	res			-	City	1	ousto													
Project #:	Moberly #12	Project Owner.	1				-	-	Stat	-		Zip: 77079	9											
		T265 P37E						_				6-420-8278												
Project Location								-	Fax	-														
FOR LAB USE ONLY	Jerry Heidelbe	erg	<u> </u>	-	-	MA	TRIX	_		_	ERV.	SAMPLIN	IG											
Lab I.D.	Samp	ble I.D.	G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	OTHER :	DATE	TIME	Chloride	трн	BTEX 8021								
	HZ1-Surf		G	1		X				)	<	10/19/23		X	X	Х		-	-	-	-	-		
	HZ1-1'		G	1		X				)	X	10/19/23	-	X	Х	Х	-	-	-	-	-	-		
	HZ2-Surf		G	1		X				)	X	10/19/23		X	X	X	-	-	-	-	-	-		
4	HZ2-1'		G	1		X				1	X	10/19/23		X	X	X	-	-	-	-	-	-		-
5	HZ3-Surf		G	1		X					X	10/19/23		X	X	X	-	-	-	-	-	-		-
6	HZ3-1'		G	1	$\vdash$	X	-				X	10/19/23		X	X	X	-	-	-	-	+	-		
	HZ4-Surf		G	1	$\vdash$	X	-				X	10/19/23		X	X	X	-	+	-	+	-			
8	HZ4-1'		G	1	$\vdash$	X	-	-		-	X	10/19/23		X	X	X	-	+	+	-	-	-		
			-	-	+	-	-	-		+	+	-		-	-	-	+	-	-	-	-	-		
analyses. All claims includin	g those for negligence and an indinal be liable for incidental o go dut of or related to the perfore y:	rand client's exclusive remedy for any ny other cause whatsoever shall be de or consequental damages, including vormance of services hereunder by Cau Date: (42423) Time: (42423) Date: Date: Time: Time:	Re	imitatio egardi ecei	ved E	ss interr ether su V:	the claim	n is ba	of use, esed up			incurred by client, i	ts subsidiaries,	esult: It: RKS:	Ye Ye s to:	pm@				n				

† Cardinal cannot accept verbal changes. Please fax writte

Received by OCD: 12/18/2023 4:48:16 PM

7



December 06, 2023

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: MOBERLY #12

Enclosed are the results of analyses for samples received by the laboratory on 12/01/23 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: FL 1 - 1' (H236479-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	4.21	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.35	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.30	115	2.00	1.76	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.88	115	6.00	1.40	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	191	95.6	200	3.81	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	173	86.3	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: FL 2 - 5' (H236479-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	4.21			
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.35			
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.30	115	2.00	1.76			
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.88	115	6.00	1.40			
Total BTEX	<0.300	0.300	12/04/2023	ND							
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.77			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	191	95.6	200	3.81			
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	173	86.3	200	1.42			
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND							
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4								
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	8								

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / H SEC 20 T26S - R37E		

### Sample ID: SW 1 - 1.5' (H236479-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	4.21	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.35	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.30	115	2.00	1.76	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.88	115	6.00	1.40	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	203	101	200	3.01	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	187	93.4	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	MOBERLY #12	Sampling Condition:	Cool & Intact
Project Number:	FORTY ACRES	Sample Received By:	Shalyn Rodriguez
Project Location:	UL / H SEC 20 T26S - R37E		

## Sample ID: SW 2 - 2.5' (H236479-04)

BTEX 8021B	mg	′kg	Analyze	d By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	4.21			
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.35			
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.30	115	2.00	1.76			
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.88	115	6.00	1.40			
Total BTEX	<0.300	0.300	12/04/2023	ND							
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4								
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.77			
TPH 8015M	mg/	′kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	203	101	200	3.01			
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	187	93.4	200	6.05			
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND							
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4								
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8								

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(5	East Marland 75) 393-2326	FAX (5	75) 393-247	76																	Main	DE	01150	T			
Company Name	_	Forty Acres									BILL TO								-	ANAL	YSIS	REG	JUES	-	-	1		
roject Manager	_	Daniel Doming	Jez								P.O. #:								-									
		1058									Company Forty Acres					es												
ity: Hobbs			State:	NM	Zi	o:	8824	1			Attr	n:	Tyler	Va	in Howe													
	393	-3386	Fax #:			-					Add	dres	s: 1	175	7 Katy FWY	Suite 725												
roject #:			Projec	t Owner:	Forty	Acr	es				City	1: 1	Hous	ston	1													
	Moh	erly #12	1.10100								Sta	te:	ТХ	Z	zip: 77079	9	1											
	-	UL/ H Sec 20 1	265 - R	37E				_		-	Ph	one	#: 8	06-	420-8278		1											
roject Location	n:			572		-		-		-	Fax	- 1	-				1											
FOR LAB USE ONLY	_	Jerry Heidelbe	g		1		-	MA	TRD	(	_	_	SER	V.	SAMPLI	NG	1			1								
Lab I.D. HZ36479		Samp	le I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	NUAS LEVINI EN	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER: \	DATE	TIME	Chloride	ТРН	BTEX 8021									
100011	FL	1-1'			C	1		-	<				X		12/1/23	-	X	X	X	-	-	-	-	-	-	-		-
7	FL		-		C	1		)	<				X		12/1/23	2	X	X	X	-	-	-	-	-	-	-	-	-
	_	/1-1.5'			C	1		)	K				X		12/1/23		X	X	X	-	-	-	-	-	-	-		-
4	-	/2-2.5			C	1		)	X				Х		12/1/23		X	X	X	-	-	-	-	-	-	-	-	-
	1													-			-	-	-	-	-	-	-	-	-	-	-	+
											-			-			-	-	-	-	+	+	-	-	-	-	-	+
									-					_			-	-	-	-		+		+	-	-	-	+
								-		-				_			-	-	-	-		-	-	+	-	-	1	+
	T							-	-	-	-	-		_			+	+	+	+	-	-	+	-	-	+	1	+
PLEASE NOTE: Liability malyses. All claims inclu ervice. In no event shall	ding tho	se for negligence and any	other cause v	Allarsoever anali oo o	(hit out)	Constant.	ne hastin	are inte	arruntio	ne los	s of us	e or lo	ss of pr	rofits in	ncurred by client,	its subsidiaries,	oplicable	-										
Relinguished	sing out	I be liable for incidental o of or related to the perfo	mance of serv	ices neretinder by or	sponting, y	- Hand	ived	-	such cl	aim is i	based	upon a	ny ai ti	e abo	We stated reason	Phone R				□ No		I Phone I Fax #						_
Relinduished	59.	/		Date:	_	C	- /	2	1,	in	No	, ,	1	1		Fax Resi			es	LI NO	Adu	IT dA #						
AUS	191	6		150		2	574	U	XR	u	ſν	U		4	~	-				Ohun	any hou	00.00	m					
Relinquished	Bv?(			Date: Time:		ece	ived	BV:						Ű		Emai	l resu	its to:			gry-hoi energyu							
Delivered B Sampler - UP			-4.	12#14	0			Cool	res [ No [	tact	es	1	CH	ECK	(ED BY:													

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 12/18/2023 4:48:16 PM

**I N** q  $\sim$ 

# Attachment VII NMOCD Form Initial C-141

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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2313635015
District RP	
Facility ID	
Application ID	217212

# **Release Notification**

## **Responsible Party**

Responsible Party FAE II	OGRID 329326						
Contact Name Tyler Van Howe	Contact Telephone 281-798-4516						
Contact email tyler@faenergyus.com	Incident # (assigned by OCD) nAPP2313635015						
Contact mailing address 11757 Katy FWY Suite 725, Houston, TX 77079							

## **Location of Release Source**

Latitude 32.030644

Longitude -103.178431

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Moberly Rhodes WF Project #012	Site Type Well Location
Date Release Discovered 4/20/2023	API# (if applicable) <b>30-025-12017</b>

Unit Letter	Section	Township	Range	County
Н	20	26S	37E	Lea

Surface Owner: State Federal Tribal Private (Name: Clay Boyd

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

🗹 Crude Oil	Volume Released (bbls) 5 bbls	Volume Recovered (bbls) 2 bbls
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
that v	e appears to have been a leak from the separ vas recently brought to our attention. The cor ced with fresh caliche.	rator on location. This was a historical release ntaminated soil has been cleaned up and

Page	2
1 age	~

## **Oil Conservation Division**

Incident ID	nAPP2313635015
District RP	
Facility ID	
Application ID	217212

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMÁC?	
19.13.29.7(11) 1000 10:	
🗌 Yes 🔽 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

## **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 $\checkmark$  The source of the release has been stopped.

 $\bigvee$  The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 $\checkmark$  All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name	Tyler	Van	Howe
Printed Name	I yiCi	van	110000

Signature: Tyler D. VanHowe email: tyler@faenergyus.com

 $_{Title:}$  Production Engineer

Date: 05/31/2023

Telephone: 281-798-4516

**OCD Only** 

Received by: Jocelyn Harimon

Date: 06/05/2023

Released Volume Calculation		
Length	60 feet	
Width	17 feet	
Thickness	1 cm	

Volume = L\*W\*T

Total Released Volume = 215.127 gallons (US, dry) 5.12 bbls

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:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	223798
	Action Type:
	[C-141] Release Corrective Action (C-141)

## CONDITIONS

Created By		Condition Date
jharimon	None	6/5/2023

CONDITIONS

Page 67 6675

Action 223798

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

QUESTIONS

Action 295920

QUESTIONS		
Operator:	OGRID:	
FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	329326	
	Action Number:	
	295920	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS Drorogulaitaa

rierequisites	
Incident ID (n#)	nAPP2313635015
Incident Name	NAPP2313635015 MOBERLY RHODES WF PROJECT #012 @ 30-025-12017
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-12017] MOBERLY RHODES WF PROJECT #012

#### Location of Release Source

Please answer all the questions in this group.		
Site Name	MOBERLY RHODES WF PROJECT #012	
Date Release Discovered	04/20/2023	
Surface Owner	Private	

### Incident Details

Plassa	ancu/or	all the	auestions	in	thic	aroun

riease answer an the questions in this group.		
Incident Type	Oil Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission Cause: Equipment Failure | Separator | Crude Oil | Released: 5 BBL | Recovered: 2 BBL | Crude Oil Released (bbls) Details Lost: 3 BBL Produced Water Released (bbls) Details Not answered. Is the concentration of chloride in the produced water >10,000 mg/l Not answered. Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

QUESTIONS, Page 2

Action 295920

**QUESTIONS** (continued)

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	295920
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	e. gas only) are to be submitted on the C-129 form.

## Initial Response

· · · · · · · · · · · · · · · · · · ·	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	Historical release. We are currently scheduling equipment and a crew to come and clean up the dry hydrocarbon oil mix release north to northwest of the well.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 12/18/2023

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

QUESTIONS, Page 3

Page 70 of 75

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Action 295920

**QUESTIONS** (continued) Operator OGRID: FAE II Operating LLC 329326 11757 Katy Freeway, Suite 725 Action Number: Houston, TX 77079 295920 Action Type:

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date. - I- - II

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 736 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 662 GRO+DRO (EPA SW-846 Method 8015M) 400 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. On what estimated date will the remediation commence 11/09/2023 On what date will (or did) the final sampling or liner inspection occur 12/01/2023 On what date will (or was) the remediation complete(d) 12/12/2023 What is the estimated surface area (in square feet) that will be reclaimed 400 What is the estimated volume (in cubic yards) that will be reclaimed 50 What is the estimated surface area (in square feet) that will be remediated 400 What is the estimated volume (in cubic yards) that will be remediated 50 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

QUESTIONS, Page 4

Action 295920

Action 2959

QUESTIONS (continued)	
Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	295920
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal R360 Artesia LLC LANDFARM [fEEM0112340644] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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 Name: Alexis Bolanos Title: Production & Regulatory Analyst I hereby agree and sign off to the above statement Email: alex@faenergyus.com Date: 12/18/2023

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

Action 295920

Page 72 of 75

QUESTIONS (continued)		
Operator: FAE II Operating LLC	OGRID: 329326	
11757 Katy Freeway, Suite 725 Houston, TX 77079	Action Number: 295920	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		

## Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

Page 73 of 75

Action 295920

QUESTIONS (continued)	
Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	295920
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	295935
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/01/2023
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	400
What was the total volume (cubic yards) remediated	50
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	400
What was the total volume (in cubic yards) reclaimed	50
Summarize any additional remediation activities not included by answers (above)	Remediation activities were conducted in accordance with applicable NMOCD Regulations. Soil affected above the NMOCD Closure Criteria has been excavated and hauled to an NMOCD approved facility for disposal. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete. Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 12/18/2023

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

QUESTIONS, Page 7

Action 295920

Page 74 of 75

QUESTIONS	QUESTIONS (continued)		
Operator: FAE II Operating LLC	OGRID: 329326		
11757 Katy Freeway, Suite 725 Houston, TX 77079	Action Number: 295920		
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)		
QUESTIONS			
Reclamation Report			
Only answer the questions in this group if all reclamation steps have been completed.			

Requesting a reclamation approval with this submission

No

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

Page 75 of 75

Action 295920

Operator: OGRID: FAE II Operating LLC 329326 11757 Katy Freeway, Suite 725 Action Number: Houston, TX 77079 295920 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

#### CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	None	3/18/2024