



Site Characterization Report and Remediation Workplan

July 14, 2024

**West Eumont Unit #114/115
Produced Water Release
Incident No. nAPP2319562381
Lea County, New Mexico**

Prepared For:

Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725
Houston, Texas 77079

Prepared By:

Crain Environmental
2925 East 17th Street
Odessa, Texas 79761

A handwritten signature in blue ink that reads 'Cynthia K. Crain'.

Cynthia K. Crain, P.G.



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1.0 Introduction

Crain Environmental (CE), on behalf of Forty Acres Energy, LLC (FAE), has prepared this *Site Characterization Report and Remediation Workplan* for the produced water release at West Eumont Unit #115 (Site), located approximately 13 miles northwest of Eunice and approximately 15 miles southwest of Hobbs, in Lea County, New Mexico. The global positioning system (GPS) coordinates for the release are 32.504256, -103.329739. The property surface rights are privately owned. Land use in the Site vicinity is primarily oil and gas production activity and cattle grazing. The location of the Site is depicted on Figure 1.

2.0 Background

On July 10, 2023, a release from a fiberglass connection to the tin horn at West Eumont Unit #114/115 was discovered. As a result of the breakage, approximately 110 barrels (bbls) of produced water were released. Immediately following the release, the area was secured, a vacuum truck was mobilized to the Site, and the line was repaired. The released fluid covered a surface area of approximately 22,000 square feet on the well pad. Approximately 45 bbl of fluid were recovered. The release point and the surface extent of the release are depicted on Figure 2.

A Notification of Release (NOR) was submitted to the New Mexico Oil Conservation Division (NMOCD) on July 14, 2023, and Incident #nAPP2319562381 was assigned. An Initial Form C-141 (Release Notification Report) was submitted on September 8, 2023. On April 17, 2024, a 90-day extension was approved for submittal of a Site Characterization Report and Remediation Workplan by July 16, 2024. Appendix A provides a copy of the C-141. Appendix B provides a copy of NMOCD correspondence.

This *Site Characterization Report and Remediation Workplan* has been prepared prior to the due date of July 16, 2024, in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC).

3.0 NMOCD Closure Criteria

Cleanup standards for produced water spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.



-
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Within 300 feet of a wetland.
 - Within the area overlying a subsurface mine.
 - Within an unstable area such as a karst formation.
 - Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are no water wells located within 1 mile of the Site. Based on the absence of water well data, the most stringent NMOCD Closure Criteria will apply to the Site.

3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
 - The topographic map (Figure 1) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
 - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
 - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.
 - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.



- Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
 - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a “low karst potential” area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there were no water wells located within 0.5 mile of the Site; therefore, the Closure Criteria applicable to the Site will be based on the most stringent regulatory guidelines associated with groundwater depths of less than 50 feet below ground surface (bgs). A summary of the Closure Criteria is provided in the table below and in Table 1. Figure 3 provides a 0.5-mile radius circle around the Site.

NMOCD Closure Criteria

Constituent of Concern		Closure Criteria Based on Depth to Groundwater (mg/kg)		
		≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs
Chloride (EPA 300)		600	10,000	20,000
TPH (EPA 8015M)	GRO + DRO + MRO	100	2,500	2,500
	GRO + DRO	NA	1,000	1,000
Total BTEX (EPA 8021 or 8260)		50	50	50
Benzene (EPA 8021 or 8260)		10	10	10

Notes: NA = not applicable
 bgs = below ground surface
 mg/kg = milligrams per kilogram
 GRO = gasoline range organics
 DRO = diesel range organics
 MRO = motor oil range organics
 TPH = total petroleum hydrocarbons
 BTEX = benzene, toluene, ethylbenzene, and total xylenes
 Green highlighted cells denote applicable Closure Criteria.



4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 2.

4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown. During investigation activities, a maximum depth of 0.5 feet bgs was reached, at which groundwater was not encountered. No water wells are located within 0.5 mile of the Site; therefore, depth to groundwater is assumed to be less than 50' bgs.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. No known water wells are located within 0.5 mile of the Site. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.

4.5 Initial Delineation Activities

On January 16, 2024, soil samples (DS-1 through DS-12) were collected by Terracon at 12 locations throughout the release area to determine the vertical and horizontal limits of the impact. Samples were collected from each location at a depth of 0.5' bgs. Soil samples were placed in clean glass sample jars, properly labeled, immediately placed on ice and hand delivered to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico under proper chain-of-custody control. All samples were analyzed for total petroleum hydrocarbons (TPH) by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) by EPA SW-846 Method 8021B, and for chlorides by Method SM4500Cl.

Table 1 provides a summary of the laboratory results, and sample locations are provided on Figure 2. The laboratory reports and chain-of-custody documentation are provided in Appendix C. Photographic documentation of the release is provided in Appendix D.

Referring to Table 1, concentrations of BTEX and TPH were reported below the test method detection limits or Closure Criteria in all samples. Concentrations of chlorides exceeded the Closure Criteria at six sample locations (DS-1, DS-2, DS-3, DS-7, DS-8, and DS-9), as shown on Figure 2.



Soils with chloride exceedances will be addressed in accordance with the Proposed Remediation Workplan discussed in Section 5.0.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Number H240213 generated by Cardinal, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix C.

5.0 Proposed Remediation Workplan

Benzene, BTEX, and TPH concentrations were reported below the test method detection limits or Closure Criteria in all samples. Concentrations of chlorides were reported above the Closure Criteria in six samples, as listed on Table 1 and shown on Figure 2.

FAE proposes to excavate all impacted soil until confirmation samples collected from the bottom and sidewalls of the excavation report chloride concentrations below the NMOCD Closure Criteria. As initial BTEX and TPH concentrations were below the test method detection or Closure limits, each confirmation sample will be analyzed only for chlorides. Pursuant to 19.15.29.12(D) NMAC, confirmation samples will consist of five-point composite samples, and discrete grab samples will be collected from any wet or discolored areas. Samples collected by Terracon on January 16, 2024, will be used to determine the necessary area of excavation. Due to the large footprint of the Site, FAE requests a variance from the one soil sample per 200 square foot requirement for confirmation sampling. FAE requests composite confirmation sample collection be performed for each 400 square feet of excavation floor and each 30 linear feet of excavation sidewall. The excavated material will be transported under manifest to a NMOCD approved disposal facility.

Upon receipt of laboratory results that all chloride concentrations are below the Closure Criteria, the excavation will be backfilled to grade with non-impacted similar material obtained from a landowner pit. Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

FAE respectfully requests a remediation schedule of 90 days from the date of NMOCD approval of this Remediation Workplan to complete the proposed remediation activities and submit a *Remediation Summary and Closure Report* for NMOCD approval. The Closure Report will summarize remedial activities and confirmation sampling results and will include the final Form C-141.



6.0 Distribution

Copy 1: Mike Bratcher
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Copy 2: Ryan Swift
Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725
Houston, Texas 77079



TABLE

**TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
FORTY ACRES ENERGY, LLC
WEST EUMONT UNIT #114/115
NMOCD INCIDENT # nAPP2319562381**

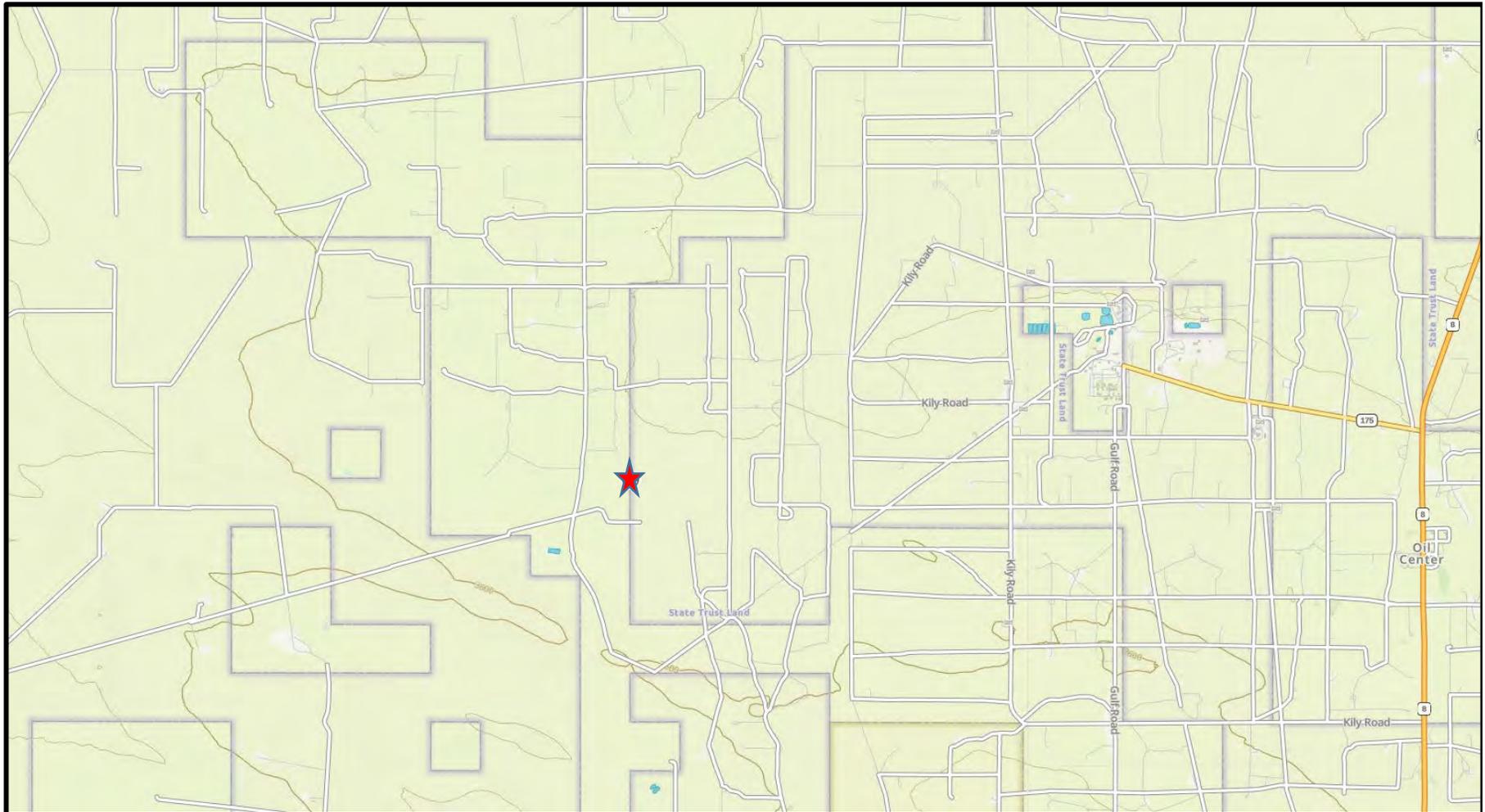
Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria							100	10	-	-	-	50	600
DS 01	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,760
DS 02	01/16/24	0.5'	In Situ	<10.0	48.6	<10.0	48.6	<0.050	<0.050	<0.050	<0.150	<0.300	704
DS 03	01/16/24	0.5'	In Situ	<10.0	14.1	<10.0	14.1	<0.050	<0.050	<0.050	<0.150	<0.300	736
DS 4	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
DS 05	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
DS-06	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
DS- 07	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
DS-08	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,120
DS-09	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	784
DS-10	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
DS-11	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
DS-12	01/16/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304

Notes:

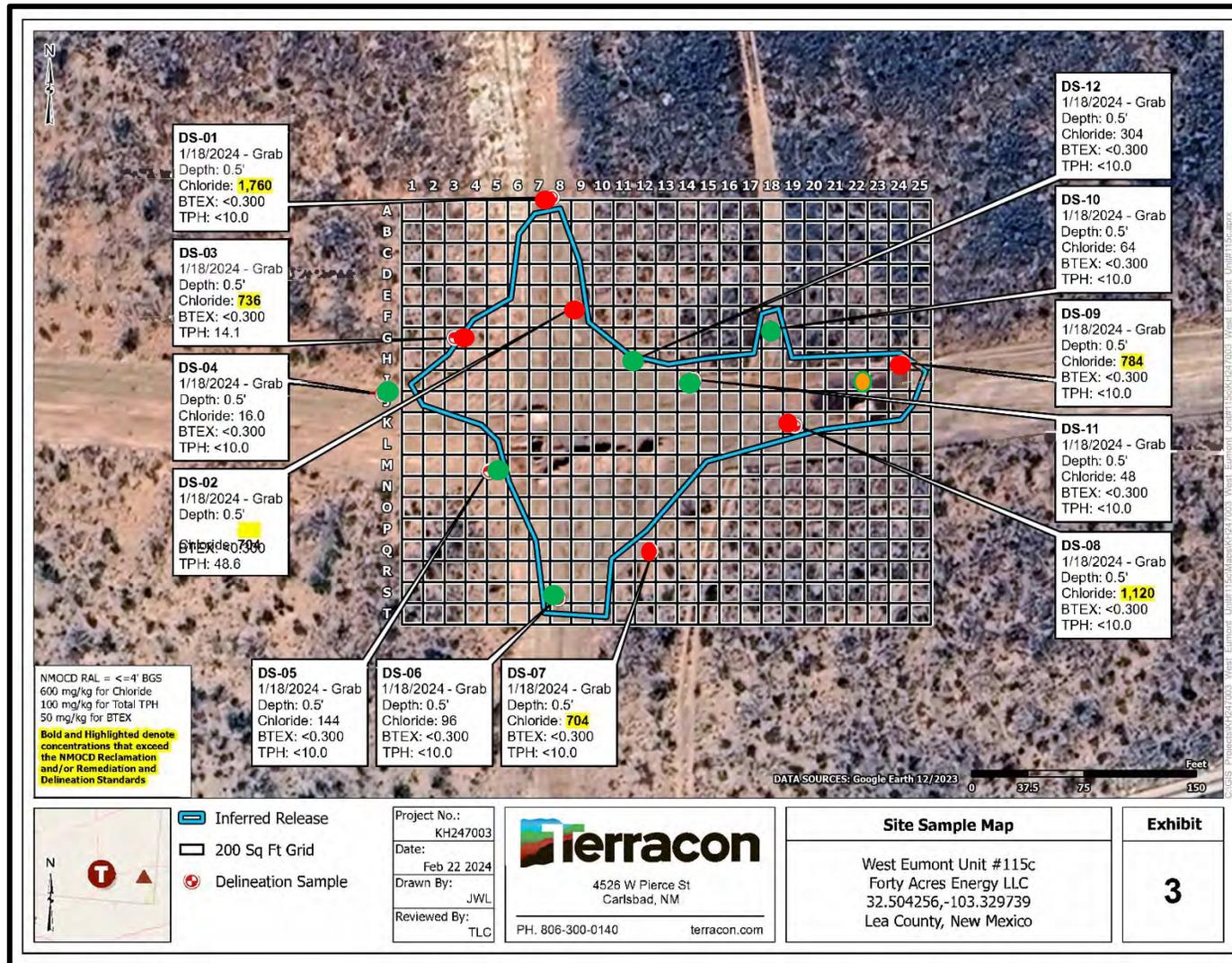
1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.



FIGURES



LEGEND:  Site Location	Figure 1 Site Location Map Forty Acres Energy, LLC West Eumont Unit #114/115 Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: July 14, 2024	
GPS: 32.504256° -103.329739°			
Base Map From GAIA GPS			



LEGEND:

- Soil Sample Location With Chloride Concentration (mg/kg). No excavation Needed.
- Soil Sample Location With Chloride Concentration (mg/kg). Additional excavation Needed.
- Release Point
- Inferred Release Boundary
- Highlighting Indicates Concentration Above the Closure Criteria

Figure 2
Soil Sample Location Map

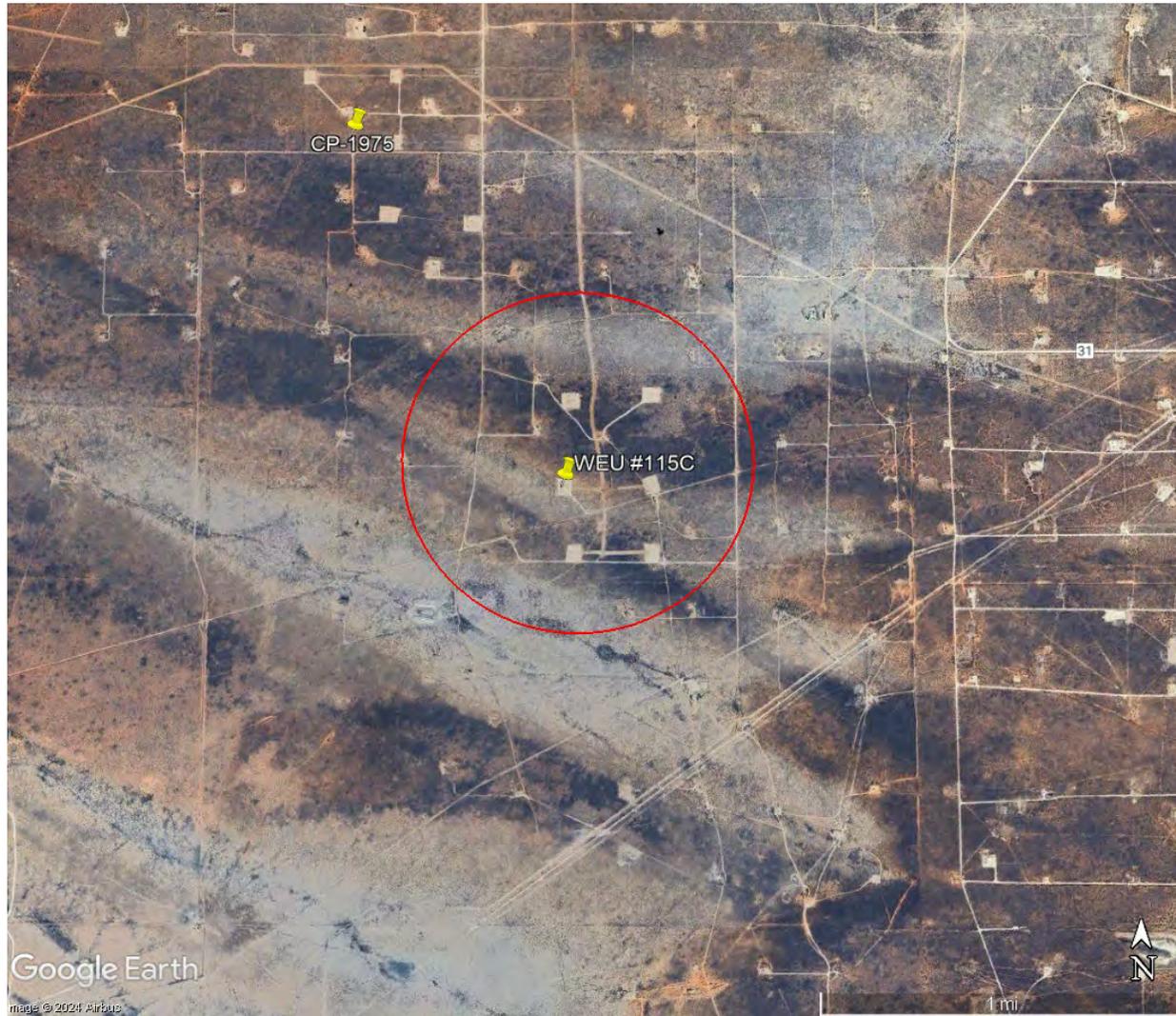
Forty Acres Energy, LLC
West Eumont Unit #114/115
Lea County, New Mexico

Drafted by: CC | Checked by: CC

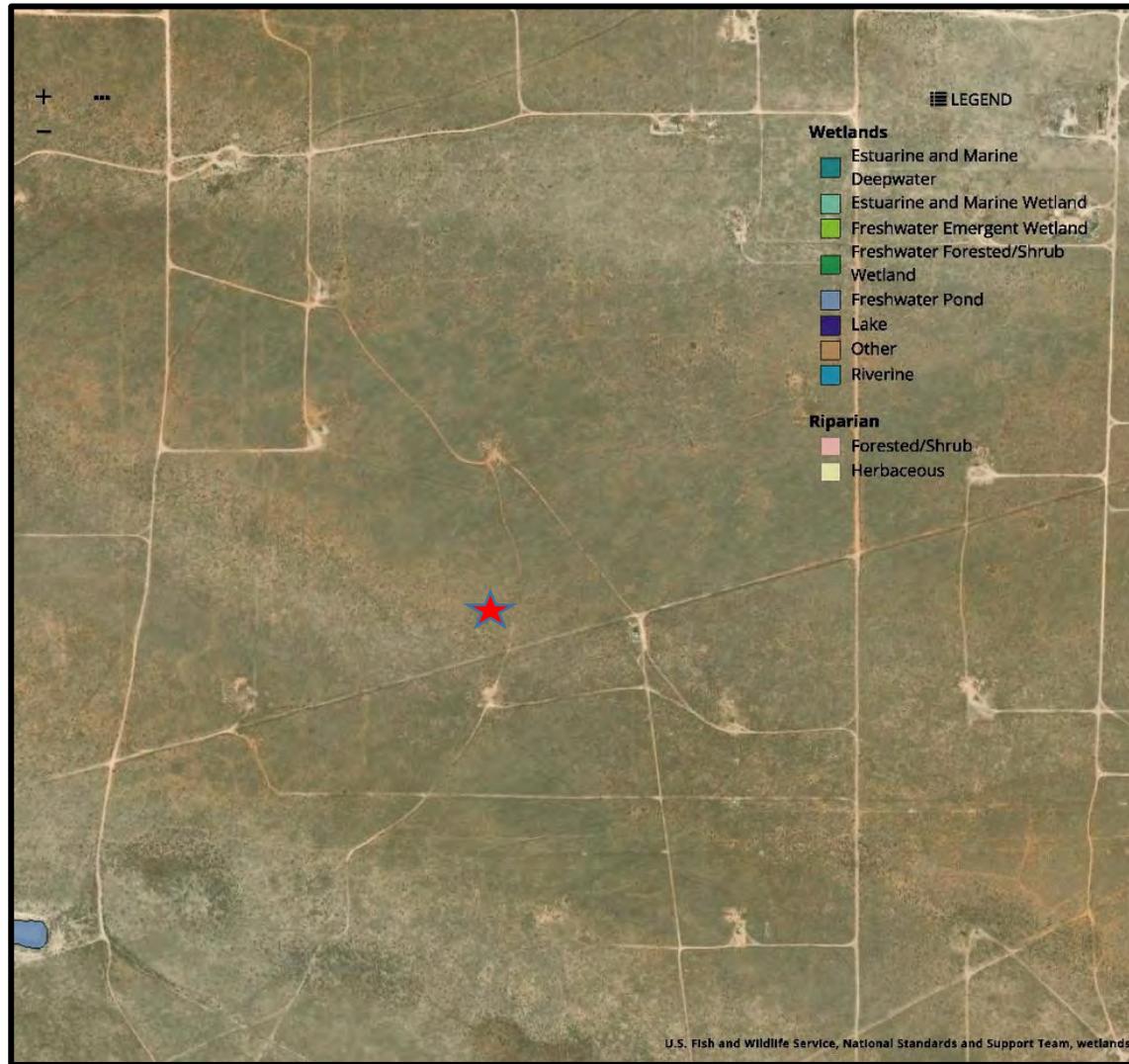
Draft: July 14, 2024

GPS: 32.504256° -103.329739°

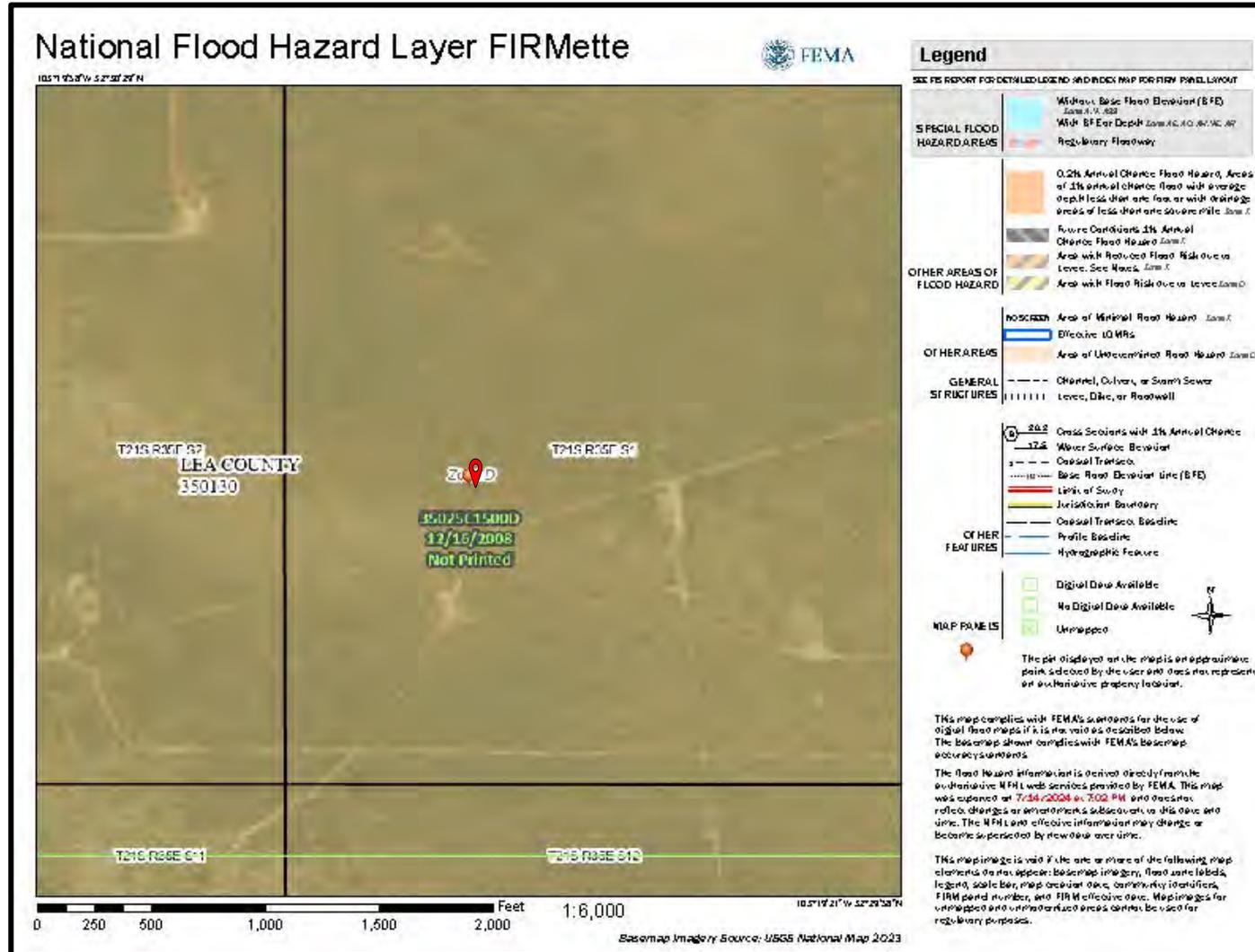
Base Map From Google Earth Pro



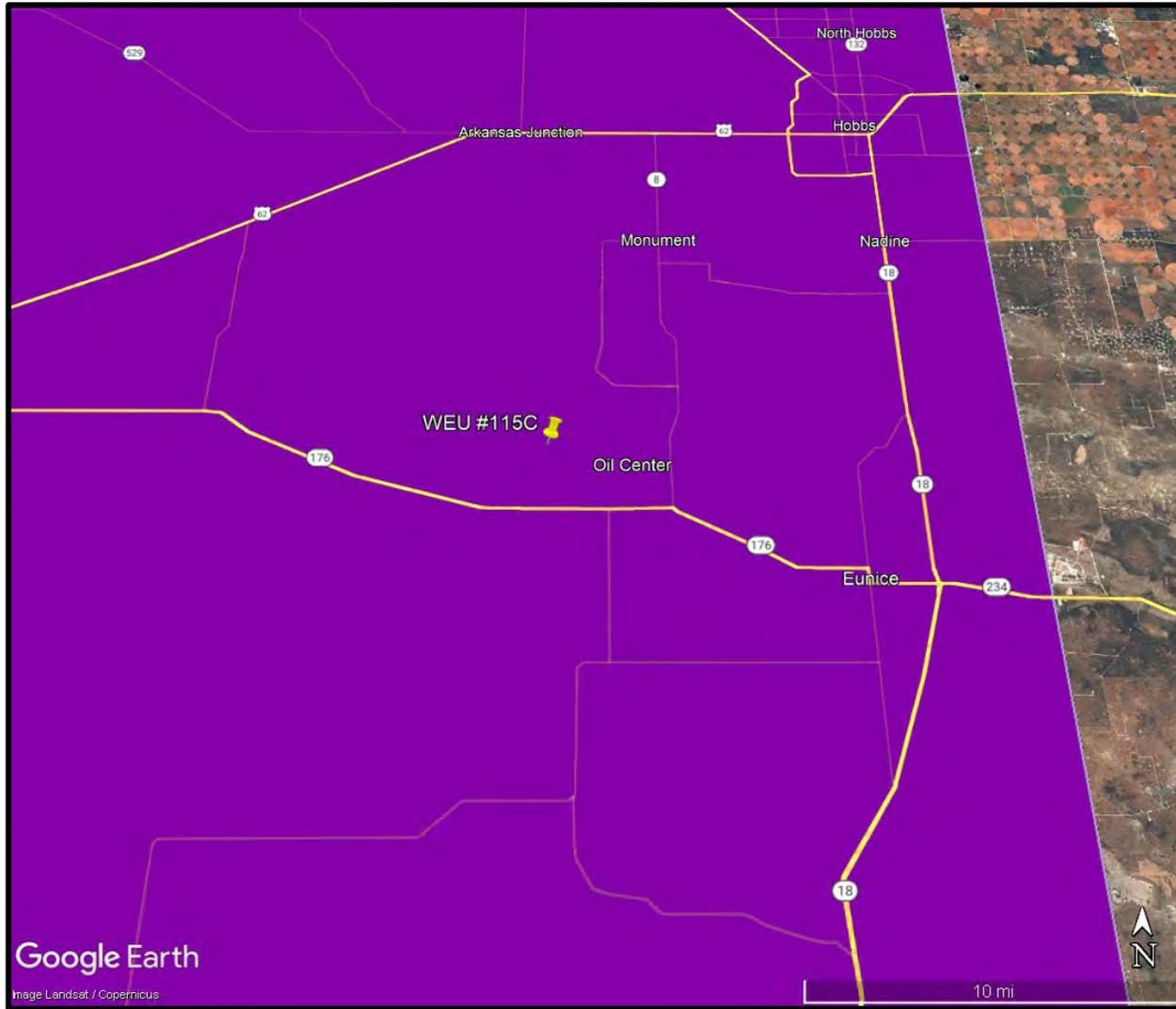
<p>LEGEND:</p> <p> Site and Well Location</p> <p>Base Map from Google Earth Pro</p>	<p align="center">Figure 3</p> <p align="center">Wellhead Protection Area Map</p> <p align="center">Forty Acres Energy, LLC West Eumont Unit #114/115 Lea County, New Mexico</p>	<p>Drafted by: CC Checked by: CC</p> <p>Draft: July 14, 2024</p> <p>GPS: 32.504256° -103.329739°</p>	
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LEGEND:  Site Location	<p align="center">Figure 4</p> <p align="center">National Wetlands Inventory Map</p> <p align="center">Forty Acres Energy, LLC West Eumont Unit #114/115 Lea County, New Mexico</p>	Drafted by: CC Checked by: CC	
		Draft: July 14, 2024	
Base Map From US Fish & Wildlife Service	GPS: 32.504256° -103.329739°		



LEGEND: Site Location Base Map From FEMA	Figure 5 FEMA Floodplain Map Forty Acres Energy, LLC West Eumont Unit #114/115 Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: July 14, 2024	
GPS: 32.504256° -103.329739°			
(Empty cell)			
(Empty cell)			



LEGEND:  Low Karst Potential  Medium Karst Potential  High Karst Potential Base Map from Google Earth Pro	Figure 6 Karst Potential Map Forty Acres Energy, LLC West Eumont Unit #114/115 Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: July 14, 2024	
GPS: 32.504256° -103.329739°			
(Empty cell)			



**Appendix A: Release Notification and Corrective Action Form
(NMOCD Form 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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

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

Incident ID	NAPP2319562381
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	FORTY ACRES ENERGY	OGRID	371416
Contact Name	ALEX BOLANOS	Contact Telephone	832-689-3788
Contact email	ALEX@FAENERGYUS.COM	Incident # (assigned by OCD)	nAPP2319562381
Contact mailing address	11757 Katy Freeway, Suite 725 Houston, TX 77079		

Location of Release Source

Latitude 32.504256 Longitude -103.329739
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	WEST EUMONT UNIT #115C	Site Type	FACILITY
Date Release Discovered	7/10/2023	API# (if applicable)	38-025-44204

Unit Letter	Section	Township	Range	County
M	1	21S	35E	LEA

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 110	Volume Recovered (bbls) 45
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Fiberglass connection to tin horn broke causing a leak.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2319562381
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release is greater than 25 bbls of produced water.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES, JAMES MARTINEZ CONTACTED MIKE BRATSHER VIA TELEPHONE.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>ALEX BOLANOS</u> Signature: <u><i>Alex Bolanos</i></u> email: <u>alex@faenergyus.com</u>	Title: <u>REG/PROD ANALYST</u> Date: <u>08/28/2023</u> Telephone: <u>(832)689-3788</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>9/8/2023</u>	

	Lenth	x	Width	x	Average Depth	Total Cubic Ft	Gallons	Cubic Feet To Bbls Conversion	Volume Released
rectangles	200		10		0.323	646	4832.08	0.178108	115

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 258726

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 258726
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/8/2023

Incident ID	nAPP2319562381
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	< 50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

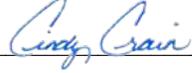
Page 4

Incident ID	nAPP2319562381
District RP	
Facility ID	
Application ID	

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: Cindy Crain

Title: Agent for Forty Acres Energy, LLC

Signature: 

Date: 7/14/24

email: cindy.crain@gmail.com

Telephone: (575) 441-7244

OCD Only

Received by: _____

Date: _____

Incident ID	nAPP2319562381
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Cindy Crain

Title: Agent for Forty Acres Energy, LLC

Signature: 

Date: 7/14/24

email: cindy.crain@gmail.com

Telephone: (575) 441-7244

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____

Date: _____



Appendix B: NMOCD Correspondence

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, April 17, 2024 2:48 PM
To: Alex Bolanos <alex@faenergyus.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Forty Acres Energy C-141 Extension Request

Alex,

Thanks for the correspondence.

Your 90-day time extension request is approved. Remediation Due date updated to July 16, 2024.

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

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: Alex Bolanos <alex@faenergyus.com>
Sent: Tuesday, April 16, 2024 10:55 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Forty Acres Energy C-141 Extension Request

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

Nelson,

Forty Acres Energy, requests a 90-day extension for the following releases:

1. West Eumont Unit #115 – Inc No: nAPP2316654395
 - o Finished sampling last week. Waiting on remediation plan.
2. WEU 114/115 Injection (115C) – Inc No: nAPP2319562381
 - o Remediation workplan complete. Starting field work.
3. WEU Central Injection Facility– Inc No: nAPP2316651719
 - o Terracon currently working on this location. Characterization Sample testing.
4. WEU Lea 407– Inc No: nAPP2316652967
 - o Remediation plan done and going to do work next after 114/115.

If you have any questions or need additional information on these, please let me know.

Thanks, Nelson.

Alex Bolanos

(832) 689-3788



Appendix C: Laboratory Report and Chain-of-Custody Documentation



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 23, 2024

JOSEPH GUESNIER
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: WEU 115C

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 01 (H240213-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 02 (H240213-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	48.6	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 03 (H240213-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	14.1	10.0	01/19/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 04 (H240213-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 05 (H240213-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 06 (H240213-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 07 (H240213-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 08 (H240213-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40		
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	01/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849		
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43		
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND						

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 09 (H240213-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	191	95.5	200	0.849	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	185	92.7	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 10 (H240213-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 11 (H240213-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received:	01/18/2024	Sampling Date:	01/16/2024
Reported:	01/23/2024	Sampling Type:	Soil
Project Name:	WEU 115C	Sampling Condition:	Cool & Intact
Project Number:	KH247003	Sample Received By:	Tamara Oldaker
Project Location:	FAE - LEA CO, NM		

Sample ID: DS 12 (H240213-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.25	112	2.00	5.40	
Toluene*	<0.050	0.050	01/19/2024	ND	2.18	109	2.00	1.05	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.25	113	2.00	0.778	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	6.74	112	6.00	0.661	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2024	ND	190	95.0	200	2.91	
DRO >C10-C28*	<10.0	10.0	01/18/2024	ND	179	89.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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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.
- 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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon
 Project Manager: Joseph Guesnier
 Address: 4518 W. Perce Street
 City: Carlsbad State: NM Zip: 88220
 Phone #: 8065077057 Fax #:
 Project #: KH24-7003 Project Owner: FAE
 Project Name: WEL 115C
 Project Location: Lea
 Sampler Name: Travis Casey
 P.O. #:
 Company: SAE 11
 Attn: Alex Bolanos
 Address: 11357 Katy Fwy
 City: Houston
 State: TX Zip: 77079
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL								
H240213	05 01	G 1	1									6/16	1:26	XX	XX	XX			
	05 02	G 1	1										1:22	XX	XX	XX			
	05 03	G 1	1										1:31	XX	XX	XX			
	05 04	G 1	1										1:40	XX	XX	XX			
	05 05	G 1	1										1:42	XX	XX	XX			
	05 06	G 1	1										1:44	XX	XX	XX			
	05 07	G 1	1										1:46	XX	XX	XX			
	05 08	G 1	1										1:48	XX	XX	XX			
	05 09	G 1	1										1:56	XX	XX	XX			
	05 10	G 1	1										1:51	XX	XX	XX			

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Relinquished By: JS Mellor
 Date: 7-18-24
 Time: 12:40
 Received By: [Signature]
 Date:
 Time:
 Received By:
 Remarks: joseph.guesnier@terracon.com; travis.casey@terracon.com; austin.worley@terracon.com; michael.adams@terracon.com

Delivered By: (Circle One) Observed Temp. °C: 21
 Sampler - UPS - Bus - Other: Corrected Temp. °C:
 Sample Condition: Cool Intact Yes No
 Checked By: (Initials) [Signature]
 Turnaround Time: Standard Rush
 Thermometer ID #44-H40
 Correction Factor: 0.00
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Observed Temp. °C:
 Corrected Temp. °C:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 THERMOMETER: R-32 T010721

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



Appendix D: Photographic Documentation

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
WEST EUMONT UNIT #114/115



View of release area (7/10/23).



View of release area (7/10/23).



View of release area (7/10/23).

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

Action 363817

QUESTIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2319562381
Incident Name	NAPP2319562381 WEST EUMONT UNIT #114/115 @ 30-025-44204
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-44204] WEST EUMONT UNIT #115C

Location of Release Source

Please answer all the questions in this group.

Site Name	WEST EUMONT UNIT #114/115
Date Release Discovered	07/10/2023
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water 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.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Valve Produced Water Released: 110 BBL Recovered: 45 BBL Lost: 65 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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 Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-9720
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 2

Action 363817

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety 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	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 07/14/2024
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Phone:(575) 393-6161 Fax:(575) 393-0720

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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and 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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 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	Yes

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
<i>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.</i>	
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 Cl B)	1760
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	48.6
GRO+DRO (EPA SW-846 Method 8015M)	48.6
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	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	09/16/2024
On what date will (or did) the final sampling or liner inspection occur	10/14/2024
On what date will (or was) the remediation complete(d)	11/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	22000
What is the estimated volume (in cubic yards) that will be reclaimed	1500
What is the estimated surface area (in square feet) that will be remediated	22000
What is the estimated volume (in cubic yards) that will be remediated	1500

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.

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QUESTIONS, Page 4

Action 363817

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	MONUMENT SITE #15 (TNM-94-58) [FAB0000000056]
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.

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 07/14/2024
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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.

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QUESTIONS, Page 5

Action 363817

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 363817

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS
 Action 363817

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363817
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved under the following conditions; 1. Variance request to increase the sampling frequency from 200 to 400 square feet per 1 5-point composite is denied based on the applied closure standards. 2. FAE has 90-days (October 22, 2024) to submit to OCD its appropriate or final remediation closure report.	7/23/2024