

Site Characterization Report and Remediation Workplan

July 14, 2024

West Eumont Unit #115 Produced Water Release Incident No. nAPP2316654395 Lea County, New Mexico

Prepared For:

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

Prepared By:

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yothia K. Crain, P.G.



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Appendix B – NMOCD Correspondence

Appendix C – Laboratory Reports and Chain-of-Custody Documentation

Appendix D – Photographic Documentation



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 May 26, 2023, a release from an injection line located at the West Eumont Unit #115 was discovered. As a result of corrosion of the line, approximately 15 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 3,000 square feet on the well pad. Approximately 5 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 June 15, 2023, and Incident #nAPP2316654395 was assigned. An Initial Form C-141 (Release Notification Report) was submitted on September 1, 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.
 - o 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

		Closure Criteria Based on Depth to Groundwater (mg/kg)				
Consti	tuent of Concern	≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs		
Chlo	ride (EPA 300)	600	10,000	20,000		
TPH (EPA	GRO + DRO + MRO	100	2,500	2,500		
8015M)	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 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 22, January 23, and February 29, 2024, soil samples (DS-1 through DS-11) were collected by Terracon at 11 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, a total depth of 5' bgs, and at an intermediate depth of 2.5' bgs at samples DS-05 through DS-11. 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 SM4500CI.

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 point is provided in Appendix D.

Referring to Table 1, concentrations of BTEX and TPH were reported below the test method detection limits in all samples. Concentrations of chlorides exceeded the Closure Criteria at all sample locations except for DS-06 and DS-10, as shown on Figure 2.

West Eumont Unit #115 Produced Water Release Site Characterization Report and Remediation Workplan



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 Numbers H240280, H240305, and H241020 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 in all samples. Concentrations of chlorides were reported above the Closure Criteria in 9 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 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 22, January 23, and February 29, 2024, will be used to determine the necessary area of excavation. 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

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TABLE 1 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS FORTY ACRES ENERGY, LLC WEST EUMONT UNIT #115 NMOCD INCIDENT # nAPP2316654395

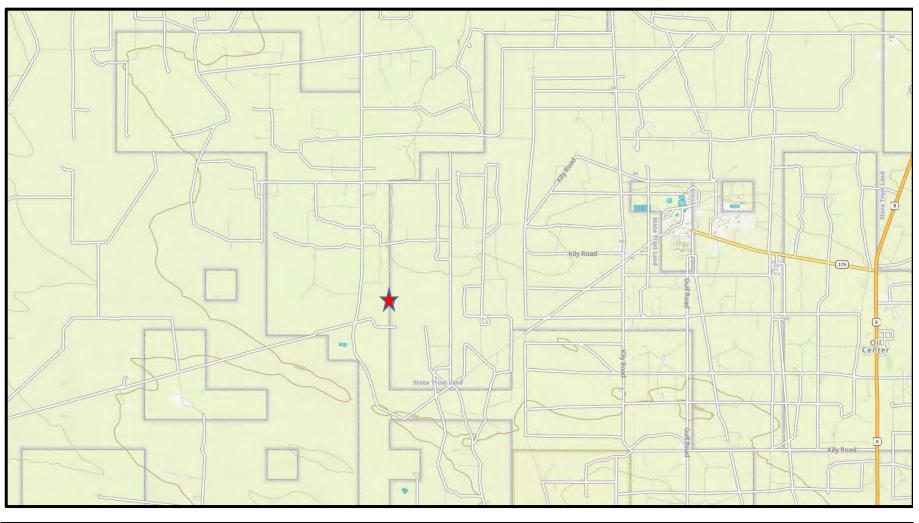
Sample ID	Sample	Sample	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
·	Date	Depth						milligram	s per kilograr	n (mg/kg)			
NMOC	D Closure C	riteria					100	10	_	-		50	600
DS 01 0.5'	01/22/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,360
DS 01 5.0'	01/22/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,360
													·
DS 02 0.5'	01/22/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,700
DS 02 5.0'	01/22/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
DS 03 0.5'	01/22/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,780
DS-03 5'	01/23/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
DS 4 0.5'	01/22/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
DS 4 5.0'	01/22/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	816
DS 05 0.5'	01/22/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
DS-05 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
DS-05 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
DS-06 0.5'	01/23/24	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-06 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
DS-06 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
DS- 07 0.5'	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
DS-07 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,600
DS-07 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,720
DS-08 0.5'	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,300
DS-08 0.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
DS-08 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
DS-09 0.5'	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
DS-09 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,880
DS-09 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840
DS-10 0.5'	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
DS-10 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
DS-10 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
DS-11 0.5'	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
DS-11 2.5'	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
DS-11 5'	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560

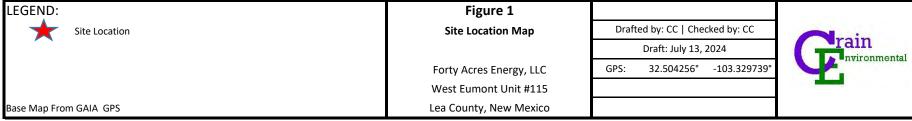
Notes:

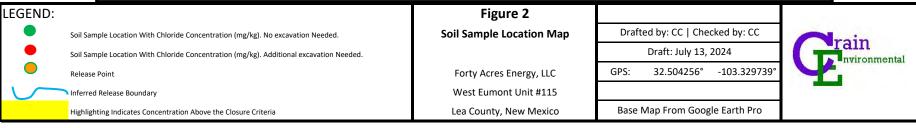
- GRO: Gasoline Range Organics
- 2. DRO: Diesel Range Organics
- 3. MRO: Motor Oil Range Organics
- 4. -: No NMOCD Closure Criteria established.
- ${\it 6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.}\\$
- 7. < indicates the COC was below the appropriate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

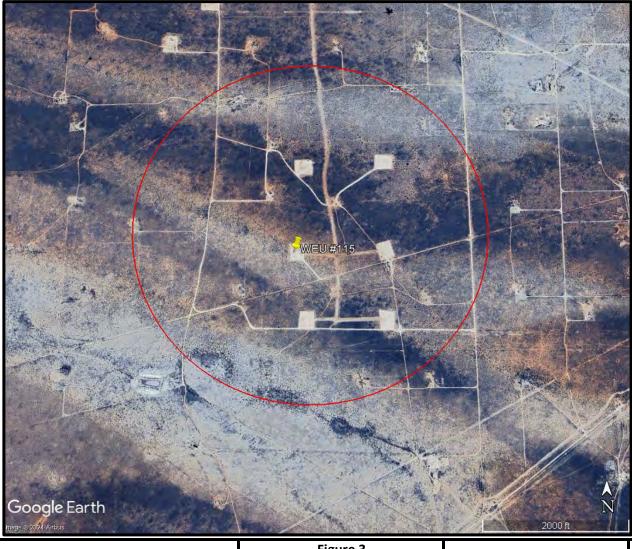


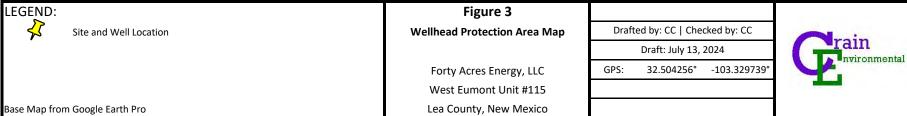
FIGURES

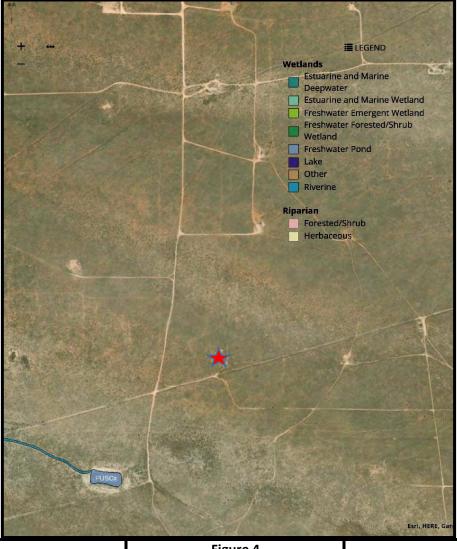


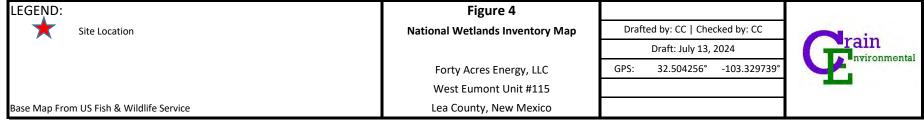


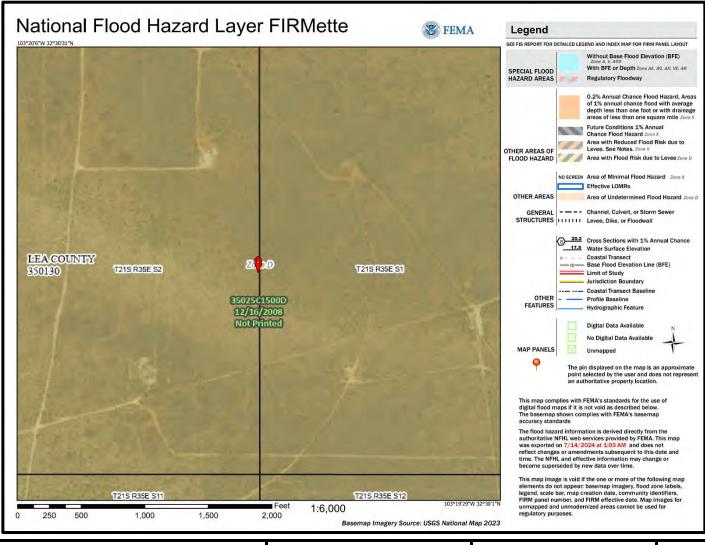


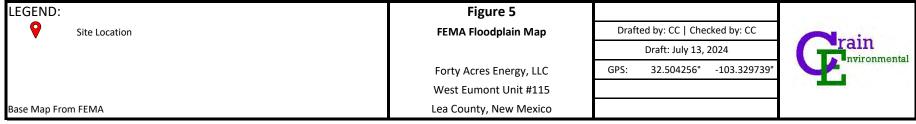


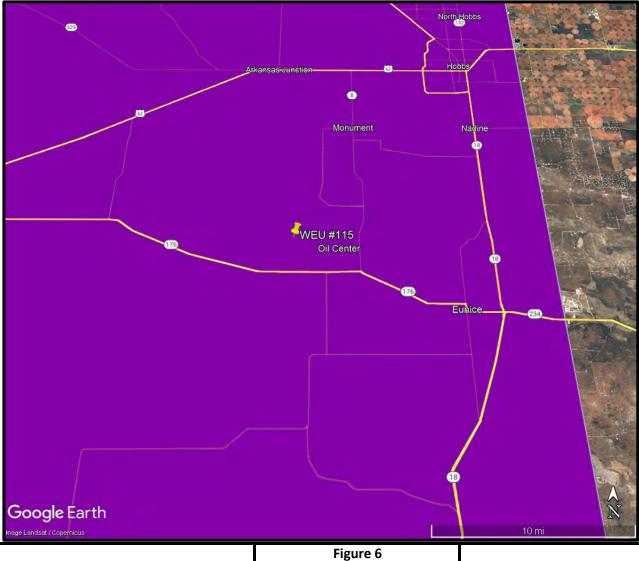


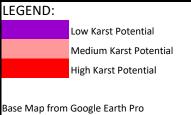












Forty Acres Energy, LLC
West Eumont Unit #115

Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: July 13, 2024

GPS: 32.504256° -103.329739°





Appendix A: Release Notification and Corrective Action Form (NMOCD Form C-141)

<u>District I</u> 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 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	NAPP2316654395
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Forty Acres Energy					OGRID	371416	
Contact Name Alex Bolanos					Contact Tel	lephone 832-689-3788	
Contact emai	il alex@	faenergyus.con	า		Incident # ((assigned by OCD) nAPP2316654395	
Contact mail	ing address	11757 Katy FV	VY Suite 725, H	louston	, TX 77079	9	
			Location	of Re	elease So	ource	
Latitude 3	2.504256			ī	Longitude	-103.329739	
Latitude			(NAD 83 in dec			al places)	
Site Name	West Eu	mont Unit #115			Site Type	Water Injection Well	
Date Release	Discovered	5/26/2023			API# (if appl	icable) 30-025-50031	
Unit Letter	Section	Township	Range		Count	ty	
M	01	21 S	35E		Lea		
Surface Owner	Surface Owner: State Federal Tribal Private (Name: State of New Mexico Nature and Volume of Release						
				n calculatio	ns or specific j	justification for the volumes provided below)	
Crude Oil		Volume Release				Volume Recovered (bbls)	
X Produced	Water	Volume Release		15 bbls		Volume Recovered (bbls) 5 bbls	
		Is the concentrate produced water	ion of dissolved c >10,000 mg/l?	chloride i	in the	▼ Yes □ No	
Condensa	te	Volume Release	d (bbls)			Volume Recovered (bbls)	
☐ Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units				e units)		Volume/Weight Recovered (provide units)	
Cause of Rele	Cause of Release						
There wa	as a hole i	n the injection lii	ne.				

Received by OCD: 7/14/2024/2:32:55/PM State of New Mexico
Page 2 Oil Conservation Division

Page	20	nf	7	7
1 1180	-	J	7	2.

Incident ID	NAPP2316654395
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respo	nsible party consider this a major release?
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
Yes, Jame Martinez	put a call into Mike Bratsher on 5/26/	2023.
	Initial R	esponse
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
Per 10 15 20 8 R (4) NM	$1\Delta C$ the responsible party may commence t	emediation 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 blease attach all information needed for closure evaluation.
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release notion ment. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Alex	Bolanos	Title: Regulatory & Production Analyst
Signature: Alex	Bolanos	Date:8/29/23
email: alex@faer	nergyus.com	Telephone: 832-689-3788
OCD Only		
Received by: Shelly We	ells	Date: 9/1/2023

Released Volume Calculation

Length 100 feet
Width 5 feet
Thickness 2 cm
1000

Volume = L*W*T

Total Released Volume = 1000 gallons (US, dry)

15.00 bbls

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

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 258729

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	258729
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B	y Condition	Condition Date
scwells	None	9/1/2023

Oil Conservation Division

	I uge 25 oj
Incident ID	nAPP2316654395
District RP	
Facility ID	
Application ID	

Page 23 of 77

Site Assessment/Characterization

This information must be provided to the appropriate district office no tales man 20 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?	Yes X No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes X 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)?	☐ Yes X No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes X No			
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes 🏻 No			
Are the lateral extents of the release within a 100-year floodplain?	Yes X No			
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No			
attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil ontamination 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.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Topographic/Aerial maps
- X 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.

Received by OCD: 7/14/2024 2:32:55 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 24 of	77
Incident ID	nAPP2316654395	
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: Date

State of New Mexico

Page 25 of 77

Incident ID	nAPP2316654395
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation poin ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29. ☑ Proposed schedule for remediation (note if remediation plan tin 	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Signature:	Date: 7/14/24
email: <u>cindy.crain@gmail.com</u>	Telephone: (575) 441-7244
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
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
 - Finished sampling last week. Waiting on remedation plan.
- 2. WEU 114/115 Injection (115C) Inc No: nAPP2319562381
 - Remediation workplan complete. Starting field work.
- 3. WEU Central Injection Facility—Inc No: nAPP2316651719
 - 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 Reports and Chain-of-Custody Documentation



January 25, 2024

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

RE: WEU 115

Enclosed are the results of analyses for samples received by the laboratory on 01/22/24 16:28.

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/ga/lab_accred_certif.html.

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.

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 01/22/2024 Reported: 01/25/2024

01/25/2024 WEU 115

Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS 01 0.5' (H240280-01)

Project Name:

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	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	01/23/2024	ND	416	104	400	10.9	
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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.5	% 49.1-14	8						

A I J D. ... 711

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Celey D. Keine



Analytical Results For:

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

Received: 01/22/2024 Reported: 01/25/2024

01/25/2024 WEU 115

Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Date: 01/22/2024

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

Sample ID: DS 01 5.0' (H240280-02)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	01/23/2024	ND	416	104	400	10.9	
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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

Applyzod By: 14

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Celeg & Frence



Analytical Results For:

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

Received: 01/22/2024 Reported:

01/25/2024

Project Name: WEU 115 Project Number: KH247000

FAE - LEA CO NM Project Location:

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS 02 0.5' (H240280-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12700	16.0	01/23/2024	ND	416	104	400	10.9	
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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	18						

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Celey D. Keene



Analytical Results For:

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

Received: 01/22/2024 Reported: 01/25/2024

01/25/2024 WEU 115 KH247000

Project Location: FAE - LEA CO NM

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS 02 5.0' (H240280-04)

Project Name:

RTFY 8021R

Project Number:

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/23/2024	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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 01/22/2024 Reported:

01/25/2024 Project Name: WEU 115 Project Number:

KH247000

FAE - LEA CO NM Project Location:

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Shalyn Rodriguez Sample Received By:

Sample ID: DS 03 0.5' (H240280-05)

BTEX 8021B Analyte	mg/kg		Analyzed By: JH						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	01/23/2024	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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.2	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

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

Received: 01/22/2024 Reported:

01/25/2024

Project Name: WEU 115 Project Number: KH247000

FAE - LEA CO NM Project Location:

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS 04 0.5' (H240280-06)

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	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/23/2024	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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/22/2024 Reported:

01/25/2024

Project Name: WEU 115 Project Number: KH247000

FAE - LEA CO NM Project Location:

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS 04 5.0' (H240280-07)

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	01/23/2024	ND	2.10	105	2.00	1.69	
Toluene*	<0.050	0.050	01/23/2024	ND	2.12	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	1.31	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.36	106	6.00	1.24	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	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	816	16.0	01/23/2024	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	01/23/2024	ND	204	102	200	0.362	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	191	95.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/22/2024 Reported:

01/25/2024 WEU 115 Project Number: KH247000

FAE - LEA CO NM Project Location:

Sampling Date: 01/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS 05 0.5' (H240280-08)

Project Name:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.19	109	2.00	0.141	
Toluene*	<0.050	0.050	01/23/2024	ND	2.21	110	2.00	0.167	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.20	110	2.00	0.176	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.66	111	6.00	0.231	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2024	ND	219	109	200	1.09	
DRO >C10-C28*	<10.0	10.0	01/23/2024	ND	209	105	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Celey D. Keene



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 whistoever 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, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

Page 11 of



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Terracon									B	3/L	L TO					ANA	LYSI	S RE	QUE	ST		
Project Manager	: Joseph Guesnier							_). #:														
Address: 4518 \	W. Pierce Street							_		_		E II Operat	ing LLC										
City: Carlsbad	State: NM	Zip	: 8	822	0			Att	n:	Ale	хВ	lolanos								1			
Phone #: 80650	77057 Fax #:							Ad	dres	s: 1	175	7 Katy Fwy	Suite 725										
Project #: K2	47000 Project Owner	r:						Cit	y:	Hou	sto	on								1	1		
Project Name:								Sta	ite:	TX		Zip: 7707	9								1		
Project Location	: Lea							Ph	one	#:				000		18)							
Sampler Name:	Gus and Beck Suc								x #:		_			Method4500)		8021B)							
FOR LAB USE ONLY					٨	MATRI	X		PRE	SER	۲V.	SAMP	LING	letho	3015	Method							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride (EPA	TPH Extended 8015	BTEX (EPA Me							
1	0561 0.5'	G	1			1				/		01-2224	1:28	1	V	~				-			
2	0501 3.0' 0502 0.5'	Ц	1	L						1	4			1	1			-	-	-	-		\vdash
3	D502 05'	Н	Ш	L			-			+	4		11:34		+	\vdash		-	-	+-	-		H
4	0502 5.0	H	₩	L	Н	1	+	-	H	+	-		2:02	+	+	\vdash		-		1			H
5	DS03 0.5	H	₩	⊢	Н	\vdash	+	H	H	+	-	+	202	+	+	+			1	+			
φ	DSO4 0.5'	\parallel	₩	\vdash			+	-			\dashv		2:43		+	+							
7	DSOS 0.5'	-	#	\vdash		1	+						2:33		1	1							
8	17503 0.3	₩	₩	t		1		1		/		1	41.23	1	1								
		t	1																				
		anu ala	on ovide	na wh	other b	acad in a	ontract	or tor	t shall	he fimi	ited to	the amount paid	by the client for	the									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lord, shall be limited to the arisinch year of the property of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In one event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, efficiency supposes a rigiding out of or related to the performance of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 0/-22-29 Time: 16-28	Received By:	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition CHECKED Cool Intact Yes Yes No No	



January 26, 2024

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

RE: WEU 115

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 15:45.

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/ga/lab accred certif.html.

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.

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 01/23/2024 Reported: 01/26/2024

01/26/2024 WEU 115

Project Name: WEU 115
Project Number: KH247000

Project Location: FAE - LEA CO NM

Sampling Date: 01/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Brandi Bautista

Sample ID: DS - 03 5' (H240305-01)

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	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/24/2024	ND	416	104	400	7.41	
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	01/24/2024	ND	196	98.2	200	0.783	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	208	104	200	2.09	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/23/2024 Reported: 01/26/2024

 01/23/2024
 Sampling Date:
 01/23/2024

 01/26/2024
 Sampling Type:
 Soil

Project Name: WEU 115
Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Condition: Cool & Intact
Sample Received By: Brandi Bautista

Sample ID: DS - 06 0.5' (H240305-02)

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	01/24/2024	ND	2.11	106	2.00	2.82	
Toluene*	<0.050	0.050	01/24/2024	ND	2.13	106	2.00	2.11	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.14	107	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.37	106	6.00	1.58	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/24/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

ND

197

192

98.6

96.0

01/24/2024

01/24/2024

01/24/2024

Surrogate: 1-Chlorooctane 85.4 % 48.2-134
Surrogate: 1-Chlorooctadecane 71.5 % 49.1-148

<10.0

<10.0

<10.0

10.0

10.0

10.0

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

3.95

0.232

200

200



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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kune

2:32:55 PM

2

Page 5 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Turaecu	BILL TO ANALYSIS REQUEST
Project Manager: Poseph Guerrie	PO #:
Company Name: Puracon Project Manager: Pasiph Guesnier Address: 45/8 W. Perce St. City: Carlsbad State: NM Zip: 88270	Company: FAE II
City: Carlshad State: WM Zip: 887.70	Attn: Alex Belavas &
Phone #: 8065077057 Fax #:	Address: 11757 Kaly
Phone #: 8065077057 Fax #: Project #: KH247000 Project Owner: FAE II	City: Houston
Project Name: WEU 115	State TV 7: 77ATO AN A
Project Location: Zea	Phone #:
Sampler Name: Buckey & Gus	Fax #:
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING 08
S S OMP	4 ×
#Soll (G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL	
Sample I.D.	3 F 2
# # COP # # SOIL	SLUDGE OTHER: ACID/BASE: CE / COOL OTHER:
1 05 - 03 5' 61 5	
05 - 03 5' 61 X	01/23 12:58 7 00
0 0 0 0	1:13 7 7
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in containalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing	ract or tort, shall be limited to the amount paid by the client for the

Relinquished By:	Date: 23 ZU Time:	Received By: Bland: Aputistic	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:							
Relinquished By:	Date: I	Received By:	REMARKS:							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition Cool Intact (Initials) Yes Yes No No	Thermometer ID #140 Yes Yes	ople Condition Observed Temp. °C						



March 05, 2024

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

RE: WEU 115

Enclosed are the results of analyses for samples received by the laboratory on 02/29/24 13:36.

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/ga/lab accred certif.html.

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.

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

Project Name: WEU 115
Project Number: KH247000

Project Location: FAE - LEA CO NM

mg/kg

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 05 2.5' (H241020-01)

BTEX 8021B

DILX 6021D	ilig	r kg	Allalyze	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 02/29/2024

Sampling Date:
Sampling Type:

02/29/2024 Soil

Reported: 03/05/2024 Project Name: WEU 115

Sampling Type.
Sampling Condition:
Sample Received By:

Cool & Intact

Shalyn Rodriguez

Project Number: KH247000
Project Location: FAE - LEA CO NM

Sample ID: DS - 05 5' (H241020-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						

Analyzed By: JH

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Celey D. Keine

Surrogate: 1-Chlorooctadecane

Celey D. Keene, Lab Director/Quality Manager

92.8 %

49.1-148



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 06 2.5' (H241020-03)

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	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	< 0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	< 0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 WEU 115 KH247000

Project Location: FAE - LEA CO NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 06 5' (H241020-04)

Project Name:

Project Number:

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	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

mg/kg

95.4 %

49.1-148

Project Name: WEU 115 Project Number: KH247000 Project Location: FAE - LEA CO NM Sampling Date:

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

02/29/2024

Sample ID: DS - 07 0.5' (H241020-05)

BTEX 8021B

DIEX COLLE	97	<u>"9</u>	Allalyzo	u 5 y . 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane									

Analyzed By: JH

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Celey D. Keene

Surrogate: 1-Chlorooctadecane



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 WEU 115 KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 07 2.5' (H241020-06)

Project Name:

Project Number:

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	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 07 5' (H241020-07)

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	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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Celey D. Keene



02/29/2024

Analytical Results For:

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

Received: 02/29/2024

mg/kg

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WEU 115 Sampling Condition: Cool & Intact
Project Number: KH247000 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Sampling Date:

Project Location: FAE - LEA CO NM

Sample ID: DS - 08 0.5' (H241020-08)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	< 0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	< 0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 WEU 115

Project Name: Project Number: KH247000 Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024 Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 08 2.5' (H241020-09)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 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	4240	16.0	03/04/2024	ND	464	116	400	0.00	QM-07
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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					

Analyzed By: JH

Surrogate: 1-Chlorooctane 105 % 48.2-134 Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene



Analytical Results For:

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

Received: 02/29/2024

Reported: 03/05/2024
Project Name: WEU 115
Project Number: KH247000

Project Location: FAE - LEA CO NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 08 5' (H241020-10)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

mg/kg

Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 09 0.5' (H241020-11)

BTEX 8021B

DILKOULID	1119/	Ng .	Allulyzo	a by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	< 0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	03/04/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

Analyzed By: JH

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Celeg D. Keene



Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 09 2.5' (H241020-12)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 WEU 115

Project Name: WEU 115
Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 09 5' (H241020-13)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	03/04/2024	ND	464	116	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 WEU 115

Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 10 0.5' (H241020-14)

Project Name:

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	18						

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 10 2.5' (H241020-15)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/04/2024	ND	464	116	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	03/01/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	102 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 WEU 115

Project Name: Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Shalyn Rodriguez Sample Received By:

Sample ID: DS - 10 5' (H241020-16)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	112	16.0	03/04/2024	ND	464	116	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	03/02/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/02/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/02/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 WEU 115

Project Name: WEU 115
Project Number: KH247000
Project Location: FAE - LEA CO NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: DS - 11 0.5' (H241020-17)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	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	928	16.0	03/04/2024	ND	464	116	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	03/02/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/02/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/02/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

mg/kg

89.7 %

49.1-148

Project Name: WEU 115 Project Number: KH247000 Project Location: FAE - LEA CO NM Sampling Date:

Sampling Condition:

Sample Received By:

02/29/2024

Sampling Type:

Soil Cool & Intact

Shalyn Rodriguez

Sample ID: DS - 11 2.5' (H241020-18)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	4800	16.0	03/04/2024	ND	464	116	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	03/02/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/02/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/02/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13							

Analyzed By: JH

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Surrogate: 1-Chlorooctadecane



Analytical Results For:

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

Received: 02/29/2024

Reported: 03/05/2024 Project Name: WEU 115 Project Number: KH247000

Project Location: FAE - LEA CO NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: DS - 11 5' (H241020-19)

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	03/01/2024	ND	2.36	118	2.00	0.703	
Toluene*	<0.050	0.050	03/01/2024	ND	2.32	116	2.00	4.40	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.40	120	2.00	6.86	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	7.15	119	6.00	7.55	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	560	16.0	03/04/2024	ND	464	116	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	03/02/2024	ND	199	99.6	200	0.0854	
DRO >C10-C28*	<10.0	10.0	03/02/2024	ND	191	95.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	03/02/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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. Kune

Page 22 of 23



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Turracou			B	ILL TO				ANA	LYSIS	REQUE	ST	
Project Manage	" Pareple Guer	Con		P.O. #:			T	T	7.00	1 1	Lagor	<u> </u>	
Address: 45	Boseph Gues 18 W Parce St	Company: FAE IL Attn: Alex Bolonos Address: 11757 Walty City: Houskon State: TX Zip:								1 1			
City: Casts	shad State: N	M Zip	88220	Attn: A 0	AR I								
Phone #: 574	5 302 5747 Fax#:	1	20220	Addrose: 1	X Oslan	05		4 1		1 1			-
Project #: K/	1247000 Project Ow	nor C	157	City 11	TOP Was	4		1 1				1 1	
Project Name:	WEU 115	ilei. J-	AFIL	City. Hou	iston		0	4 1		1 1		1 1	- 1
Project Location	7				Zip:			4		1 1		1 1	
Sampler Name:	De de la constitución de la cons			Phone #:		_	1	7 10					
FOR LAB USE ONLY	Birthy Milles	$\overline{}$	MATRIX	Fax #:	I OANDUNO	┙、	9 8	215		1 1			
		<u>a</u> .	MATRIX	PRESERV	SAMPLING	- 0	3	8		1 1		1 1	
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9	DS 08 7.5'		X	8	11:7	08	100	50			1	++	
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EASE NOTE: Liability and I alyses. All claims including	Damages. Cardinal's liability and client's exclusive remedy for those for negligence and any other cause whatsoever shall I	or any claim a	rising whether based in contract	or tort, shall be limited to	o the amount paid by the clie	t for the		1/01					

Relinquished By: Brullu	Date: 2924 Time: 1334	Received By:	100	Verbal Result: C Y		Add'l de Ema	Phone #: iil address:
Relinquished By:		Received By:		REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition Cool Intact Lives Lives No No	CHECKED BY:	Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Standard Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

Page 23 of 23

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Turcacou					П	BILL TO				Т				ANAI	YSIS	REC	OUES	т			
Project Manage	r: Jaseph	Guena	de	-	-		P	P.O. #:										1	1000		
Address: 45	Company Name: Terracou Project Manager: Torracou Address: 45/8 W Prece St City: Coc/5/100 of State: 1/1/1/20: 82770					c	Company: FAE II Attn: Alex Balands Address: 11757 Kaky City: Hauston														
City: Cacls	isad	State: I/I/	V Zi	n. 8	8770		1	ttn:	MO.	B	1										
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Lab I.D. <i>H241020</i>	Sample		(G)RAB OR (C)O	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	Chilas	RTEX	70H (80							
//	05 09	0.51	6)	1 %				>	2/29	11:11	>	X	0							
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Relinquisticd By:	Date: 7-24 Received	ved By:		Verbal Result: ☐ Y All Results are emailed	es No d. Please prov		Phone #: il address:
Relinquished By:	1334	Y WORLD	ney	REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	CHECKED BY:	Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Standard Rush	78	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

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



Appendix D: Photographic Documentation

APPENDIX D PHOTOGRAPHIC DOCUMENTATION WEST EUMONT UNIT #115



View of release point (5/26/23).



View of release point (5/26/23).

<u>District I</u> 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

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 363804

QUESTIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	363804
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2316654395					
Incident Name	NAPP2316654395 WEST EUMONT UNIT #115 @ 0					
Incident Type	Produced Water Release					
Incident Status	Remediation Plan Received					

Location of Release Source								
Please answer all the questions in this group.								
Site Name	WEST EUMONT UNIT #115							
Date Release Discovered	05/26/2023							
Surface Owner	State							

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 fo	or 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 Other (Specify) Produced Water Released: 15 BBL Recovered: 15 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

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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 363804

QUESTI	ONS (continued)
Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416 Action Number: 363804 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	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	rafety 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	Not answered.
	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 releating 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 asses 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: Cindy Crain Email: cindy.crain@gmail.com Date: 07/14/2024

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Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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Phone:(505) 334-6178 Fax:(505) 334-6170 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

Action 363804

QUESTIONS (continued)

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	363804
	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 ar	nd 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	No	

Remediation Plan		
Please answer all the questions that apply or a	re indicated. This information must be provided to th	e appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approv	val with this submission	Yes
Attach a comprehensive report demonstrating t	he lateral and vertical extents of soil contamination a	ssociated 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 with	thin a lined containment area	No
Soil Contamination Sampling: (Provide t	he highest observable value for each, in milli	grams per kilograms.)
Chloride (EPA	A 300.0 or SM4500 CI B)	12700
TPH (GRO+DRO+MRO) (EPA	SW-846 Method 8015M)	0
GRO+DRO (EP)	A SW-846 Method 8015M)	0
BTEX (EP/	A SW-846 Method 8021B or 8260B)	0
Benzene (EP	A SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless which includes the anticipated timelines for beg		efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remed	diation commence	09/16/2024
On what date will (or did) the final sam	pling or liner inspection occur	10/14/2024
On what date will (or was) the remedia	ation complete(d)	11/18/2024
What is the estimated surface area (in	square feet) that will be reclaimed	3000
What is the estimated volume (in cubic	c yards) that will be reclaimed	556
What is the estimated surface area (in	square feet) that will be remediated	3000
What is the estimated volume (in cubic	c yards) that will be remediated	556
These estimated dates and measurements are i	recognized to be the best guess or calculation at the t	time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation	n measures may have to be minimally adjusted in acc	cordance 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 363804

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	FORTY ACRES ENERGY, LLC	371416
ı	11757 KATY FWY	Action Number:
ı	HOUSTON, TX 77079173	363804
ı		Action Type:
ı		[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

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

QUESTIONS, Page 5

Action 363804

QUESTIONS (continued)

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	363804
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

OUESTIONS

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

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

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11757 KATY FWY HOUSTON, TX 77079173

FORTY ACRES ENERGY, LLC

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

QUESTIONS, Page 6

Action 363804

QUESTIONS (continued)	
	OGRID:
	371416
	Action Number

363804 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Operator:

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

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

District I
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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

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 363804

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	363804
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvele	The remediation plan is approved as written. FAE has 90-days (October 21, 2024) to submit to OCD its appropriate or final remediation closure report.	7/22/2024