Environmental & Safety Solutions, Inc.

DEFERRAL REQUEST REPORT

West Eumont Unit LW White 2 Battery

Lea County, New Mexico

Incident Number NAPP2222156995

Prepared for:

Forty Acres Energy, LLC

11757 Katy Freeway, Suite 725

Houston, TX 77079

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Forty Acres Energy, LLC (FAE), presents the following Deferral Request Report (DRR) detailing site assessment and soil sampling activities performed for an inadvertent release of crude oil at the West Eumont Unit LW White 2 Battery (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from soil sampling activities at the Site, FAE requests to defer residual soil impacts beneath and immediately adjacent to active production equipment until decommissioning or major facility deconstruction of the Site, whichever comes first.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit O, Section 34, Township 20 South, Range 36 East, in Lea County, New Mexico (32.5242°, -103.34°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A)**.

On August 1, 2022, it was discovered that there was a hole in the bottom of a tank which resulted in approximately 7 barrels (bbls) of crude oil to be released within the secondary containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 5 bbls of crude oil. FAE reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 10, 2022, and was subsequently assigned Incident Number NAPP2222156995. Initial response efforts included relocation of two tanks and removal of immediate soil impacts up to 2 feet below ground surface (bgs) based on visual observation, totaling 56 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation inside the containment with caliche in an effort to restore the foundation near the tanks and eliminate potential safety hazards before replacing the tanks in their original locations.

Etech met with the NMOCD on October 31, 2023, to discuss the previously submitted DDR and to request resampling of horizontal delineation soil samples, specifically potholes PH04 through PH06 for consideration of approval. Mr. Nelson Velez requested that these samples be closer to the edge of the AOC than the original samples. The summary of additional field activities is described below.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.35-mile south of the Site. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**. The soil boring location and regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the Site characterization are included in **Figure 1B and Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†*The reclamation standard concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13*.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From August 7, 2023, to August 24, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and information provided by FAE and to verify the presence or absence of impacted soil associated with the AOC. Six delineation potholes (PH01 through PH06) were advanced via mechanical equipment and/or hand auger, which were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. (Envirotech)in Farmington, New Mexico, for analysis of COCs.

On November 20 and November 29, 2023, a third-party consultant assisted in the recollection of delineation soil samples PH04 through PH06 in effort to redefine the potential horizontal edge of the AOC while confirming that impacts did not extend beyond the secondary containment earthen berm. A minimum of two samples were collected from each delineation soil sample location. The second depth samples were collected within 1 foot of the original locations. The locations of the updated delineation soil samples are shown in **Figure 2** in **Appendix A**. The soil samples were transported under strict chain-of-custody procedures, to Cardinal Laboratories in Hobbs, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples collected around the AOC were below the applicable Site Closure Criteria. Laboratory analytical results indicated elevated TPH-GRO/TPH-DRO and TPH existed within the AOC up to 4 feet bgs (ranging from 13,200 mg/kg to 4,886.9 mg/kg). Laboratory analytical results are summarized in **Table 1** in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation are included in **Attachment F.**

DEFERRAL REQUEST

Based on the data collected from the delineation soil samples, FAE requests to defer the remaining residual impacts within the secondary containment earthen berm, considering the following:

- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring CP-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.

- According to laboratory analytical results of delineation soil samples inside the AOC, impacts do not appear to exceed 4 feet bgs within AOC in the vicinity of PH02. Remaining hydrocarbon residual impacts associated with the inadvertent release are characterized by concentrations ranging from 13,200 mg/kg to 4,886.9 mg/kg and reside beneath and immediately adjacent to an above ground storage tank and above-ground utilities. Further removal of impacted soil would likely compromise the structural integrity of said active production equipment and above-ground utilities. The approximate area of the proposed deferral area is presented on **Figure 3** in **Appendix A**.

- Laboratory analyses for all final delineation soil samples collected outside the secondary containment earthen berm yielded COC concentrations below the applicable Site Closure Criteria. As such, FAE believes that the horizontal periphery of the AOC is sufficiently defined.

- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the maximum extent practical and sufficiently delineated in accordance with the applicable Site Closure Criteria. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE requests consideration for the deferral of approximately 200 CYs of impacted soil associated with Incident Number NAPP2222156995 until decommissioning or major facility deconstruction of the Site, whichever comes first.

LIMITATIONS

Etech has prepared this DRR to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (281) 777-4152 or erick@etechenv.com.

Appendix G provides correspondence email notification receipts associated with the subject release. **Appendix H** includes the previously submitted DRR with original PH04 through PH06 sample location and data.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera
Staff Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: David Schellstede, Forty Acres Energy
New Mexico Oil Conservation Division

Appendices:

Appendix A	Figure 1: Site Map
	Figure 1A: Site Characterization Map – Groundwater
	Figure 1B: Site Characterization Map – Surficial Receptors
	Figure 1C: Site Characterization Map – Karst Potential
	Figure 2: Delineation Soil Sample Locations
	Figure 3: Deferral Request
Appendix B	Referenced Well Records
Appendix C	Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Tables
Appendix F	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G	NMOCD Notifications
Appendix H	Original Submitted DRR

APPENDIX A

Figures

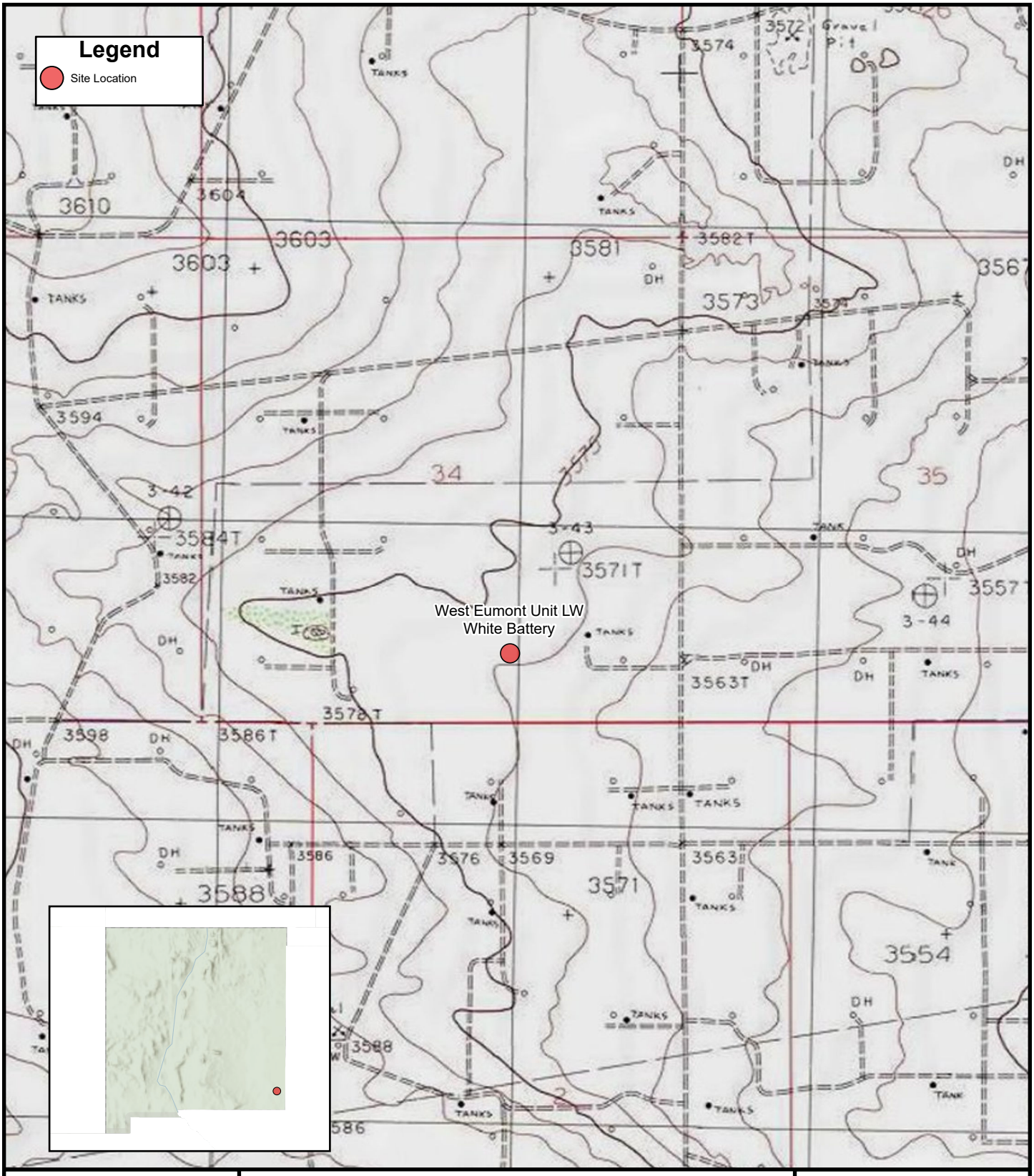


FIGURE 1

Site Location Map

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 500 1,000 Feet

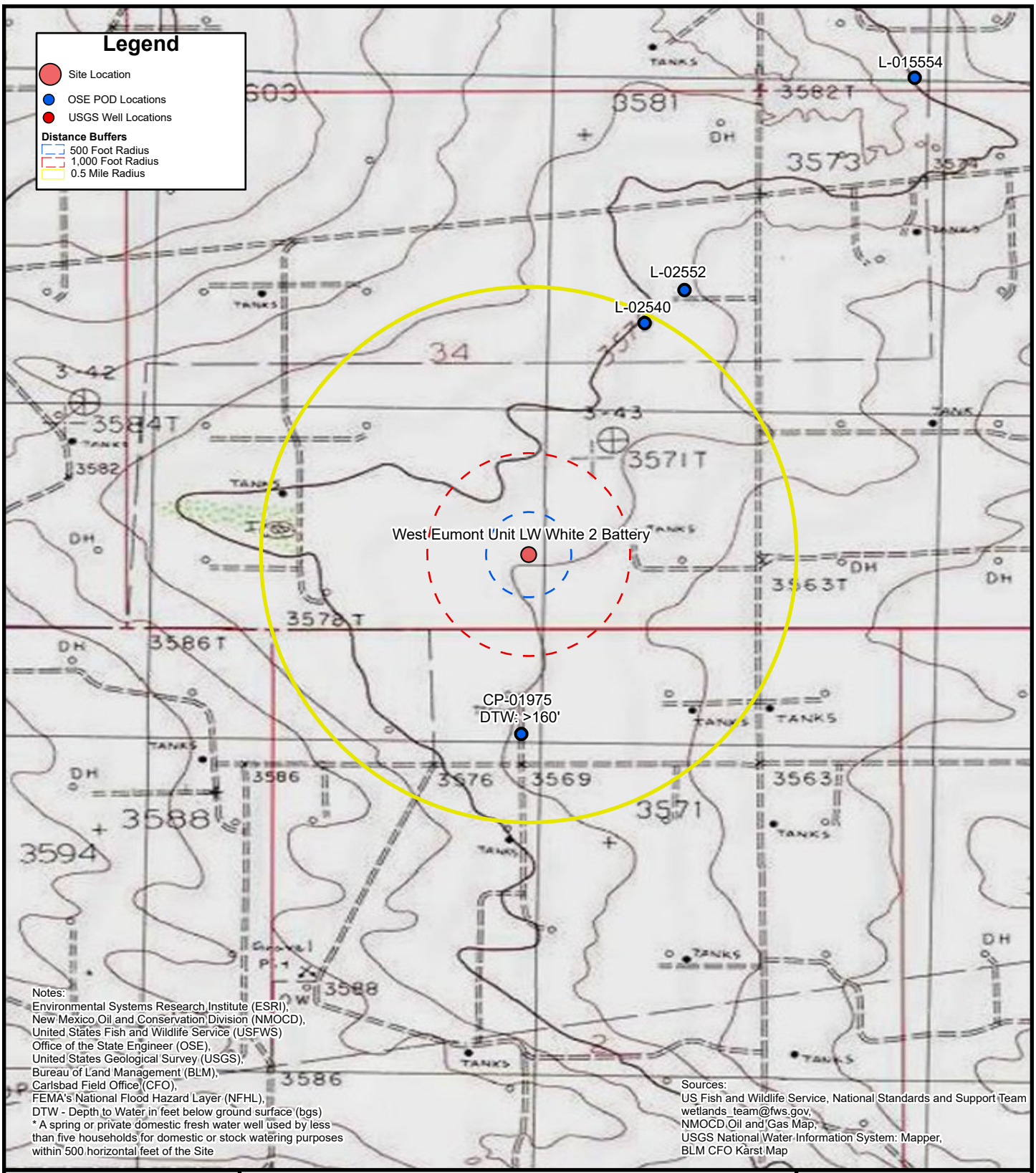
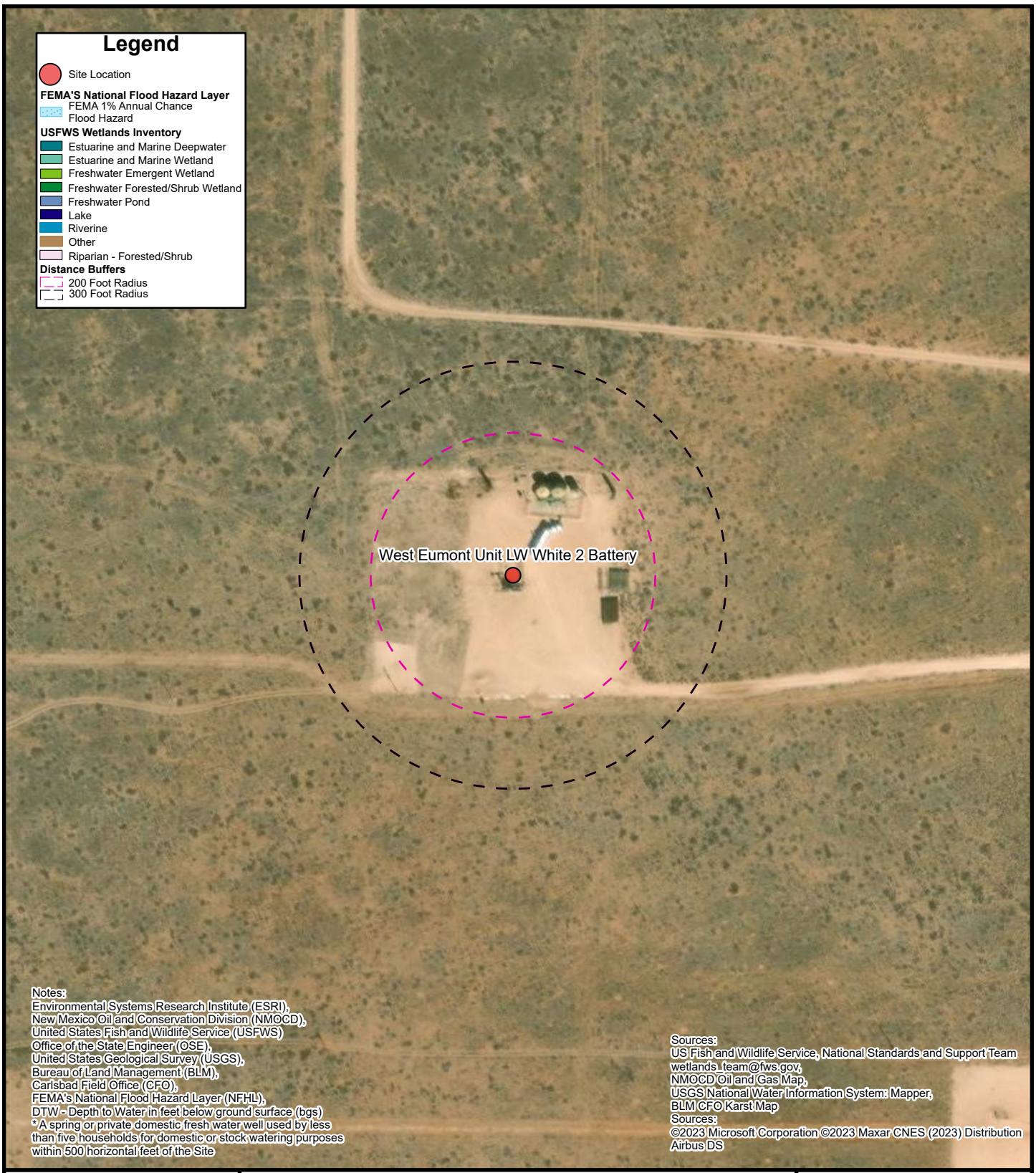


FIGURE 1A

Site Characterization Map-Groundwater

Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico



eTECH

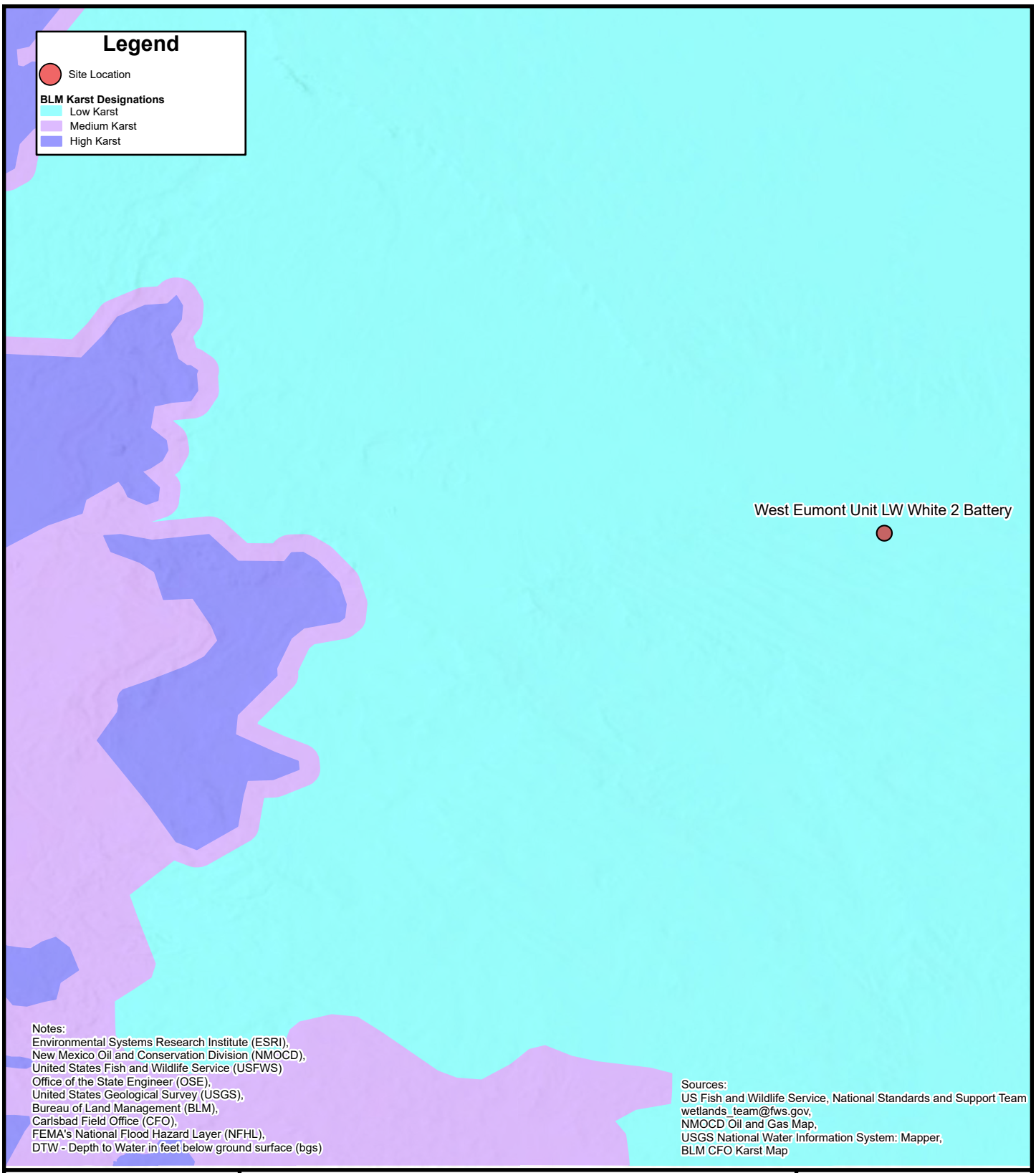
FIGURE 1B

Site Characterization-Surficial Receptors

Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 100 200 Feet



eTECH

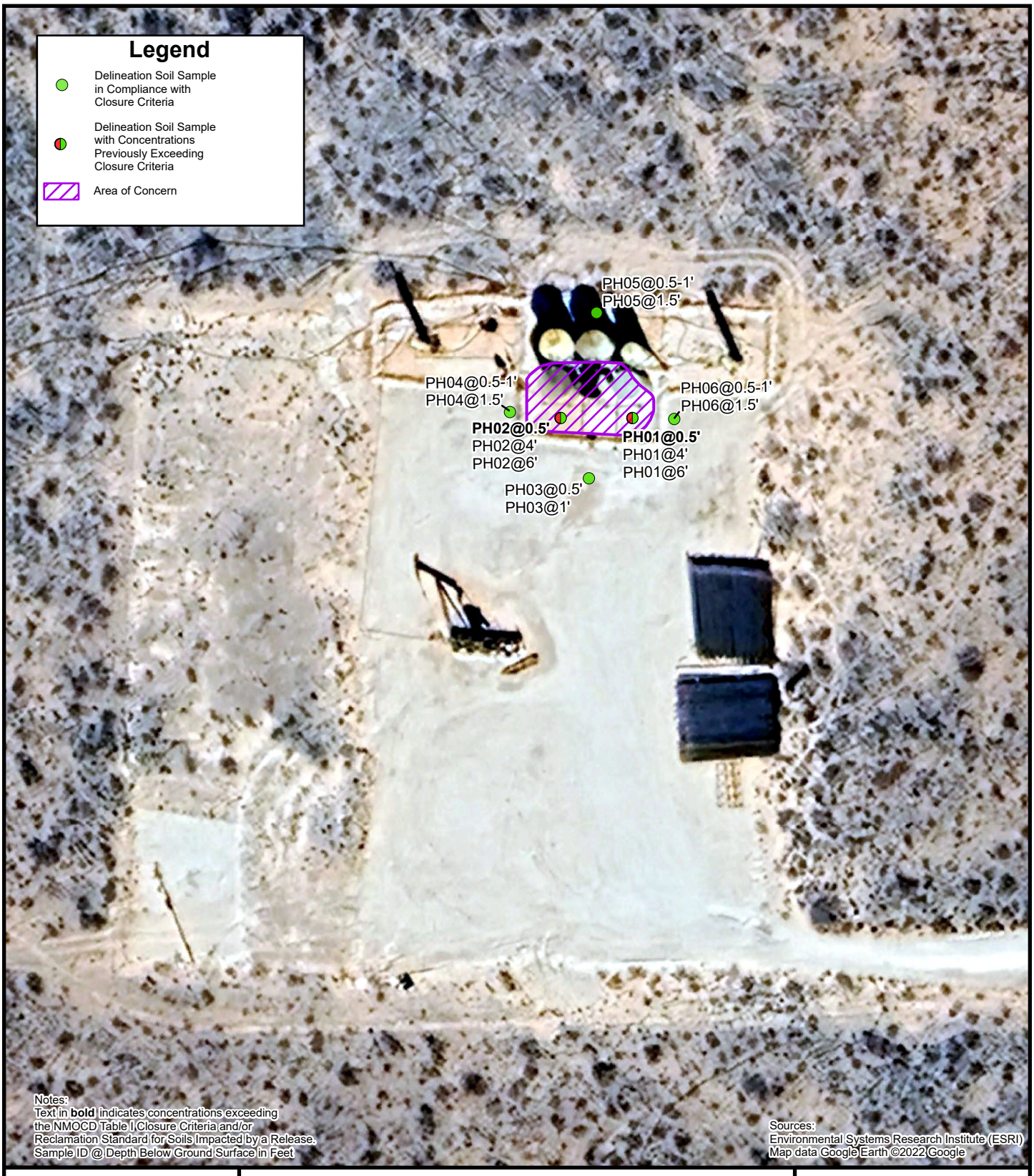
FIGURE 1C

Site Characterization Map - Karst Potential

Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 20,000 40,000 Feet



eTECH

FIGURE 2

Delineation Soil Sample Locations

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 40 80 Feet

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FIGURE 3

Deferral Request

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 40 80 Feet

APPENDIX B

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD-1	213A19	CP-1975

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Clay Tom Cooper	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
Box 6	Monument	NM	88265

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	31	09.6	N
	LONGITUDE	103	20	24.7	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1839	Boyd Coffey	Coffey Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8-24-2023	8-24-2023	160	160	NA

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DRILLING FLUID: ☐ AIR ☑ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	20	10	PVC	bell	5	sdr 21	
20	100	8.75	PVC	bell	5	sdr 21	
100	120	8.75	PVC	bell	5	sdr 21	0.020
120	160	8.75	PVC	bell	5	sdr 21	

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20	10	3/8 Bentonite hole plug	8	Pour
20	160	8.75	3/8 pea gravel	38	Pour

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Red Sandy Top Soil	Y ✓ N	
5	46	41	White Caliche	Y ✓ N	
46	94	48	Tan soft SandStone	Y ✓ N	
94	101	7	Red clay	Y ✓ N	
101	108	7	Course sand/gravel	Y ✓ N	
108	160	52	Red Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

_____ _____

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: PH01	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.5242, -103.34	Hole Diameter: N/A	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-4') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel, some staining, hydrocarbon odor.
Dry	1,744	83.1	Yes	PH01	0.5			
-	-	-	-	-	1	1		(4-6') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel no staining, no odor.
Dry	192	98.0	Yes		2	2		
-	-	-	-	-		3		
Dry	356	25.2	Yes	PH01	4	4		
-	-	-	-	-		5		
Dry	192	0.8	No	PH01	6	6		

Total Depth

eTECH

	Sample Name: PH02	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.5242, -103.34	Hole Diameter: N/A	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	1,700	310.1	Yes	PH02	0.5	0	SW-SM	(0-4') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel, some staining, hydrocarbon odor.
-	-	-	-	-		1		(4-6') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel no staining, no odor.
Dry	216	317.1	Yes		2	2		
-	-	-	-	-		3		
Dry	680	184.8	Yes	PH02	4	4		
-	-	-	-	-	5	5		
Dry	<112	0.4	No	PH02	6	6		

Total Depth

eTECH	Sample Name: PH03	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	180	0.3	No	PH03	0.5			
Dry	180	0.0	No	PH03	1	1		

Total Depth

eTECH

	Sample Name: PH04	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	0.0	No	PH04	0.5			
Dry	<112	0.0	No	PH04	1	1		

Total Depth

eTECH

	Sample Name: PH05	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	0.0	No	PH05	0.5			
Dry	<112	0.0	No	PH05	1	1		

Total Depth

eTECH

	Sample Name: PH06	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	1.0	No	PH06	0.5			
Dry	<112	0.0	No	PH06	1	1		

Total Depth

APPENDIX D

Photographic Log

eTECH

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Incident Number NAPP2222156995

Photograph 1 **Date: 08/07/2023**
Description: Northeastern view during Site assessment acivities.

Photograph 2 **Date: 08/24/2023**
Description: Southeastern view of delineation activities.

Photograph 3 **Date: 08/24/2023**
Description: Southeastern view of delineation activities.

Photograph 4 **Date: 08/24/2023**
Description: Northwestern view of delineation activities.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Lea, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Number nAPP2222156995										
PH01	08/24/2023	0.5	<0.0250	1.60	35.7	11,800	<5,000	**11,800**	**11,800**	1,980
PH01	08/24/2023	4	<0.0250	<0.0500	<20.0	168	64.3	232.3	232.3	841
PH01	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	107
PH02	08/24/2023	0.5	0.0324	7.81	99.3	13,200	<5,000	**13,200**	**13,200**	1,240
PH02	08/24/2023	4	<0.0250	1.32	36.9	4,850	<5,000	**4,886.9**	**4,886.9**	576
PH02	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	68.3
PH03	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH03	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH04	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PH04	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH05	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH05	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH06	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PH06	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308214
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308214
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E308214-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH01 4'	E308214-02A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH02 0.5'	E308214-03A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH02 4'	E308214-04A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH01 0.5'

E308214-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	**0.0308**	0.0250	1	08/28/23	08/30/23	
o-Xylene	**0.750**	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	**0.822**	0.0500	1	08/28/23	08/30/23	
Total Xylenes	**1.57**	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**35.7**	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**11800**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**1980**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH01 4'

E308214-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**168**	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	**64.3**	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**841**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH02 0.5'

E308214-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	**0.0324**	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	**1.56**	0.0250	1	08/28/23	08/31/23	
Toluene	**0.286**	0.0250	1	08/28/23	08/31/23	
o-Xylene	**2.43**	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	**3.51**	0.0500	1	08/28/23	08/31/23	
Total Xylenes	**5.94**	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**99.3**	20.0	1	08/28/23	08/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**13200**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*172 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**1240**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH02 4'

E308214-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	**0.276**	0.0250	1	08/28/23	08/31/23	
Toluene	**0.0840**	0.0250	1	08/28/23	08/31/23	
o-Xylene	**0.296**	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	**0.666**	0.0500	1	08/28/23	08/31/23	
Total Xylenes	**0.962**	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**36.9**	20.0	1	08/28/23	08/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**4850**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*118 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**576**	20.0	1	08/29/23	08/30/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335038-BLK1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	417	20.0	250	162	102	80-120	0.358	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:47

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.	**Bill To**
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308214 — Job Number 23007 0001

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	8/24/2023	S	1	PH01	1	0.5'								X				
10:10	8/24/2023	S	1	PH01	2	4'								X				
10:30	8/24/2023	S	1	PH02	3	0.5'								X				
10:40	8/24/2023	S	1	PH02	4	4'								X				
														X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/28/23	9:55

Lab Use Only

Received on ice: (Y)/ N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:36:58PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308214
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:20	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308211
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308211
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 6'	E308211-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

PH01 6'

E308211-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335039
Chloride	**107**	20.0	1	08/29/23	08/31/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335039-BLK1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	662	20.0	250	412	100	80-120	5.33	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:46

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.	Bill To
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308211 | Job Number 23007-0001

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:20	8/24/2023	S	1	PH01	1	6'								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/25/23	9:55
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:24:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308211
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:17	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308212
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308212
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH02 6'	E308212-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

PH02 6'

E308212-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335039
Chloride	**68.3**	20.0	1	08/29/23	08/31/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335039-BLK1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	662	20.0	250	412	100	80-120	5.33	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Forty Acres Energy, LLC.	Bill To
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308212 | Job Number 23007-0001

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
10:50	8/24/2023	S	1	PH02	1	6'	X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700		8/28/23	9:55

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:31:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308212
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:18	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308209
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308209
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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labadmin@envirotech-inc.com

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Southern New Mexico Area
Lynn Jarboe
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Office: 505-421-LABS(5227)
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Rayny Hagan
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 0.5'	E308209-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH03 1'	E308209-02A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH04 0.5'	E308209-03A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH04 1'	E308209-04A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH05 0.5'	E308209-05A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH05 1'	E308209-06A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH06 0.5'	E308209-07A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH06 1'	E308209-08A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH03 0.5'

E308209-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**115**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH03 1'

E308209-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**115**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH04 0.5'

E308209-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**21.2**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH04 1'

E308209-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*85.0 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH05 0.5'

E308209-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*89.4 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**26.6**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH05 1'

E308209-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH06 0.5'

E308209-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH06 1'

E308209-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335061-BLK1)									Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			
LCS (2335061-BS1)									Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
Matrix Spike (2335061-MS1)				**Source: E308208-01**					Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2335061-MSD1)				**Source: E308208-01**					Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	0.163	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335038-BLK1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	417	20.0	250	162	102	80-120	0.358	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:42

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.	**Bill To**	
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.	
Project Manager: Erick Herrera	Address: 13000 W County Rd 100	
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765	
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200	
Phone: (281)777-4152	Email:	
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A	
Collected by: Edyte Konan	Incident ID: nAPP2222156995	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E308209	23007 0001				5 day TAT		RCRA

Analysis and Method

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:00	8/24/2023	S	1	PH03	1	0.5'								X				
11:10	8/24/2023	S	1	PH03	2	1'								X				
11:20	8/24/2023	S	1	PH04	3	0.5'								X				
11:30	8/24/2023	S	1	PH04	4	1'								X				
11:40	8/24/2023	S	1	PH05	5	0.5'								X				
11:50	8/24/2023	S	1	PH05	6	1'								X				
12:00	8/24/2023	S	1	PH06	7	0.5'								X				
12:10	8/24/2023	S	1	PH06	8	1'								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/28/23	9:55

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:19:48PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308209
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:16	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

CARDINAL Laboratories

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

November 21, 2023

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: WEST EUMONT UNIT LW WHITE BATT

Enclosed are the results of analyses for samples received by the laboratory on 11/20/23 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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.

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/21/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATT	Sampling Condition:	Cool & Intact
Project Number:	KH237050	Sample Received By:	Dionica Hinojos
Project Location:	NONE		

Sample ID: PH04 0.5-1' (H236314-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/21/2023	ND	432	108	400	3.77	

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	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/21/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATT	Sampling Condition:	Cool & Intact
Project Number:	KH237050	Sample Received By:	Dionica Hinojos
Project Location:	NONE		

Sample ID: PH05 0.5-1' (H236314-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/21/2023	ND	432	108	400	3.77	

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	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane *86.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/20/2023	Sampling Date:	11/20/2023
Reported:	11/21/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATT	Sampling Condition:	Cool & Intact
Project Number:	KH237050	Sample Received By:	Dionica Hinojos
Project Location:	NONE		

Sample ID: PH06 0.5-1' (H236314-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/21/2023	ND	432	108	400	3.77	

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	11/20/2023	ND	201	100	200	3.94	
DRO >C10-C28*	<10.0	10.0	11/20/2023	ND	194	97.2	200	11.4	
EXT DRO >C28-C36	<10.0	10.0	11/20/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetracom
Project Manager:	Travis Casey
Address:	4526 W. Pierce St.
City:	Carlsbad State: NM Zip: 88220
Phone #:	575 689 5949 Fax #:
Project #:	KH237050 Project Owner: 40 Acres
Project Name:	West Eumont unit LW white Batt
Project Location:	
Sampler Name:	Travis Casey

BILL TO

P.O. #:	
Company:	40 Acre Energy
Attn:	James Multiner
Address:	
City:	
State:	Zip:
Phone #:	606 420 8278
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	LL	TPH	BTEX
H236314																	
1	P1404 0.5-1'	C	1			X					X		11-20	0950	1	1	1
2	P1405 0.5-1'	C	1			X					X		11-20	0955			
3	P1406 0.5-1'	C	1			X					X		11-20	0958			

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 the client for the 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 no 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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-20-23	Received By:	
Relinquished By:	Time: 1230	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 6.0	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ No ☐ No		Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

CARDINAL Laboratories

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

December 04, 2023

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: WEST EUMONT UNIT LW WHITE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/29/23 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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.

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/29/2023	Sampling Date:	11/29/2023
Reported:	12/04/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATTEI	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	40 ACRES		

Sample ID: PH04 1.5' (H236424-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/30/2023	ND	416	104	400	3.77	

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	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					

Surrogate: 1-Chlorooctane *84.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/29/2023	Sampling Date:	11/29/2023
Reported:	12/04/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATTEI	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	40 ACRES		

Sample ID: PH05 1.5' (H236424-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/30/2023	ND	416	104	400	3.77	

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	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					

Surrogate: 1-Chlorooctane *79.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *73.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/29/2023	Sampling Date:	11/29/2023
Reported:	12/04/2023	Sampling Type:	Soil
Project Name:	WEST EUMONT UNIT LW WHITE BATTEI	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	40 ACRES		

Sample ID: PH06 1.5' (H236424-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.77	88.3	2.00	10.6	
Toluene*	<0.050	0.050	11/30/2023	ND	1.79	89.5	2.00	11.2	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.89	94.5	2.00	11.4	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.76	96.0	6.00	11.5	
Total BTEX	<0.300	0.300	11/30/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/30/2023	ND	416	104	400	3.77	

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	11/30/2023	ND	215	107	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	195	97.4	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					

Surrogate: 1-Chlorooctane *82.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Terracon
Project Manager:	Travis Cusey
Address:	4826 W. Pierce St
City:	Carlsbad State: NM Zip: 88220
Phone #:	575 689 5949 Fax #:
Project #:	Project Owner: 40 Acres
Project Name:	West Eumont unit Lw White Battery
Project Location:	
Sampler Name:	Travis Cusey

BILL TO

P.O. #:	
Company:	40 Acres
Attn:	Jaunes Martinez
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	CL	BTEX	TPH
H23 04424																		
1	PH04	1.5	C	1			X					X		11-29	1030	X	X	X
2	PH05	1.5	C	1			X					X		11-29	1035	X	X	X
3	PH06	1.5	C	1			X					X		11-29	1040	X	X	X

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 the client for the 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 no 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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-29-23 Time: 1300	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.5 Corrected Temp. °C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)

REMARKS:

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 17, 2023 9:22 AM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning Erick,

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

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, August 17, 2023 8:11 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>
Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites from August 22nd through August 25th.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit #417/LW2 Battery
Incident Number: nAPP2222156995
API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: State WE H Battery
Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: Atlantic State #003
Incident Number: nAPP2321654246
API#: 30-025-03508

Thank you,

Erick Herrera
Staff Geologist

Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

APPENDIX H

Original Submitted DRR

Environmental & Safety Solutions, Inc.

DEFERRAL REQUEST REPORT

West Eumont Unit LW White 2 Battery

Lea County, New Mexico

Incident Number NAPP2222156995

Prepared for:

Forty Acres Energy, LLC

11757 Katy Freeway, Suite 725

Houston, TX 77079

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Forty Acres Energy, LLC (FAE), presents the following Deferral Request Report (DRR) detailing site assessment and soil sampling activities performed for an inadvertent release of crude oil at the West Eumont Unit LW White 2 Battery (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from soil sampling activities at the Site, FAE requests to defer residual soil impacts beneath and immediately adjacent to active production equipment until decommissioning or major facility deconstruction of the Site, whichever comes first.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit O, Section 34, Township 20 South, Range 36 East, in Lea County, New Mexico (32.5242°, -103.34°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A)**.

On August 1, 2022, it was discovered that there was a hole in the bottom of a tank which resulted in approximately 7 barrels (bbls) of crude oil to be released within the secondary containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 5 bbls of crude oil. FAE reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 10, 2022, and was subsequently assigned Incident Number NAPP2222156995. Initial response efforts included relocation of two tanks and removal of immediate soil impacts up to 2 feet below ground surface (bgs) based on visual observation, totaling 56 cubic yards (CYs). FAE provided a map of the release extent which is presented as the Area of Concern (AOC) on **Figure 2** in **Appendix A**. FAE has since backfilled the excavation inside the containment with caliche in an effort to restore the foundation near the tanks and eliminate potential safety hazards before replacing the tanks in their original locations.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet bgs based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-01975-POD1 that was recently drilled by Coffey Drilling, located approximately 0.35-mile south of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted rotary drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 160 feet bgs. No fluids were observed throughout

the drilling process nor after a 72-hour observation period. The referenced well record for the soil boring is provided in **Appendix B**. All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
TPH (Total Petroleum Hydrocarbon)	EPA 8015 M/D	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

†*The reclamation standard concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

From August 7, 2023, to August 24, 2023, Etech conducted site assessment and delineation activities to confirm details of the release provided on the Form C-141 and information provided by FAE and to verify the presence or absence of impacted soil associated with the AOC. Six delineation potholes (PH01 through PH06) were advanced via mechanical equipment and/or hand auger, which were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two samples were collected from each delineation soil sample location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

The delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. (Envirotech)in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples collected around the AOC were below the applicable Site Closure Criteria. Laboratory analytical results indicated elevated TPH-GRO/TPH-DRO and TPH existed within the AOC up to 4 feet bgs. Laboratory analytical results are summarized in **Table 1** in **Attachment E**, and the complete laboratory reports with chain-of-custody documentation are included in **Attachment F.**

DEFERRAL REQUEST

Based on the data collected from the delineation soil samples, FAE requests to defer the remaining residual impacts within the secondary containment earthen berm, considering the following:

- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring CP-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.

- According to laboratory analytical results of delineation soil samples inside the AOC, impacts do not appear to exceed 4 feet bgs within AOC in the vicinity of PH02. Remaining residual impacts associated with the inadvertent release reside beneath and immediately adjacent to an above ground storage tank and above-ground utilities. Further removal of impacted soil would likely compromise the structural integrity of said active production equipment and above-ground utilities. The approximate area of the proposed deferral area is presented on **Figure 3** in **Appendix A**.

- Laboratory analyses for all delineation soil samples collected outside the secondary containment earthen berm yielded COC concentrations below the applicable Site Closure Criteria. As such, FAE believes that the horizontal periphery of the AOC is sufficiently defined.

- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the maximum extent practical and sufficiently delineated in accordance with the applicable Site Closure Criteria. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE requests consideration for the deferral of approximately 200 CYs of impacted soil associated with Incident Number NAPP2222156995 until decommissioning or major facility deconstruction of the Site, whichever comes first.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera
Staff Geologist

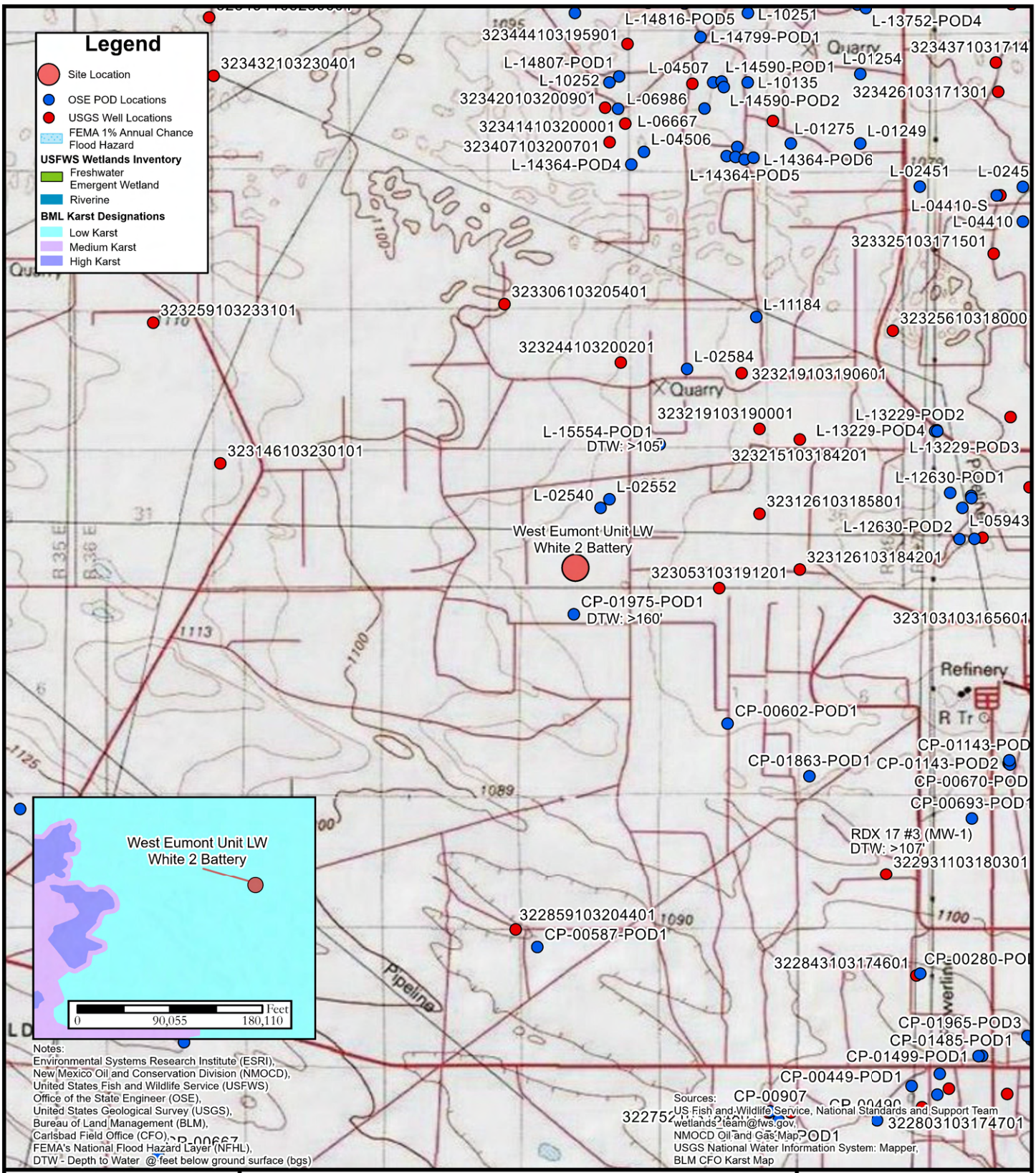
Joseph S. Hernandez
Senior Managing Geologist

cc: David Schellstede, Forty Acres Energy
New Mexico Oil Conservation Division

Appendices:

APPENDIX A

Figures



eTECH

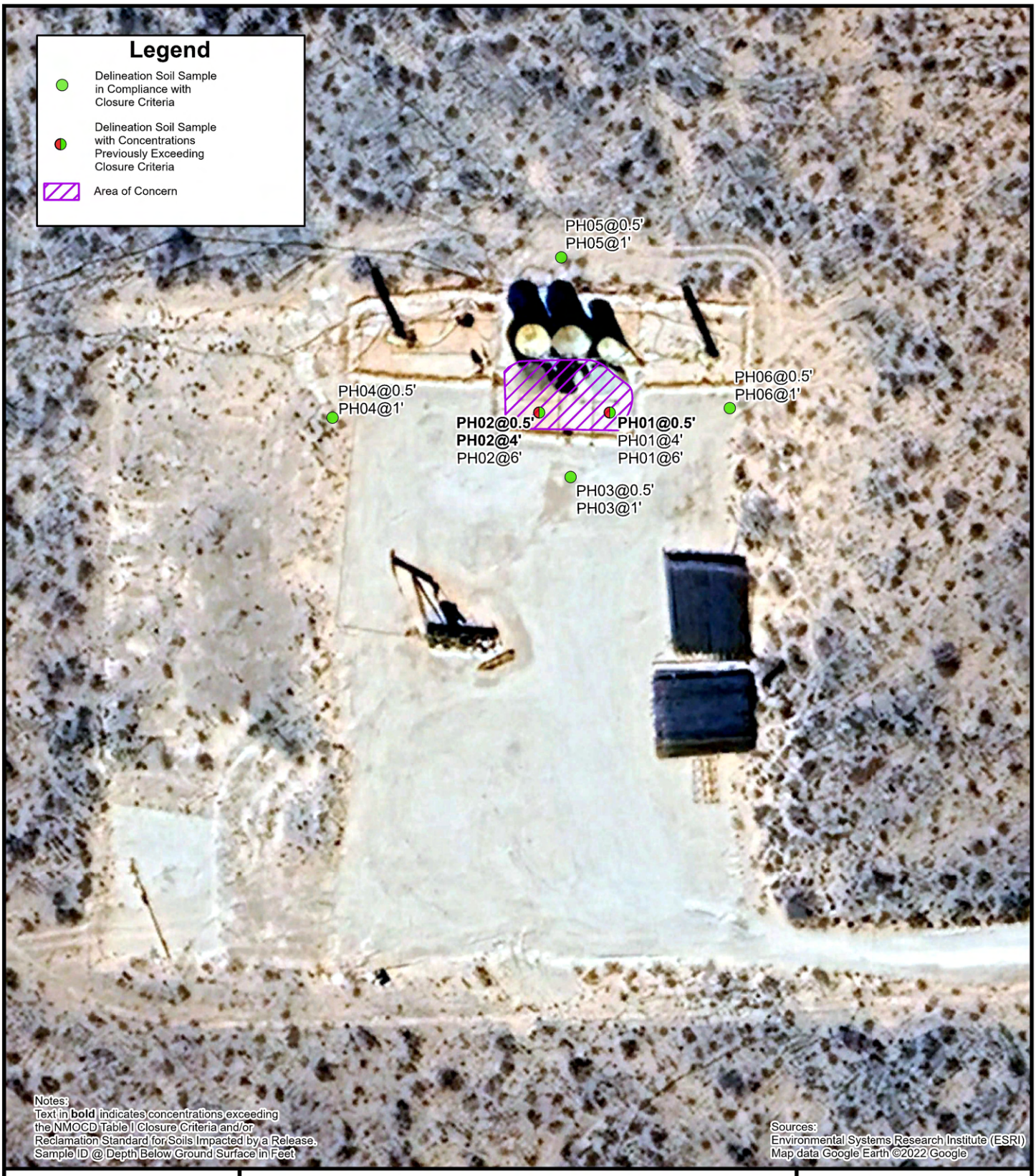
FIGURE 1

Site Map

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 1,250 2,500 Feet



eTECH

FIGURE 2

Delineation Soil Sample Locations

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 40 80 Feet

eTECH

FIGURE 3

Deferral Request

Forty Acres Energy, LLC
West Eumont Unit LW White Battery
Unit O Sec 34 T20S R36E
Lea County, New Mexico

N

0 40 80 Feet

APPENDIX B

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD-1	213A19	CP-1975

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Clay Tom Cooper	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
Box 6	Monument	NM	88265

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	31	09.6	N
	LONGITUDE	103	20	24.7	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1839	Boyd Coffey	Coffey Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8-24-2023	8-24-2023	160	160	NA

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DRILLING FLUID: ☐ AIR ☑ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	20	10	PVC	bell	5	sdr 21	
20	100	8.75	PVC	bell	5	sdr 21	
100	120	8.75	PVC	bell	5	sdr 21	0.020
120	160	8.75	PVC	bell	5	sdr 21	

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20	10	3/8 Bentonite hole plug	8	Pour
20	160	8.75	3/8 pea gravel	38	Pour

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Red Sandy Top Soil	Y ✓ N	
5	46	41	White Caliche	Y ✓ N	
46	94	48	Tan soft SandStone	Y ✓ N	
94	101	7	Red clay	Y ✓ N	
101	108	7	Course sand/gravel	Y ✓ N	
108	160	52	Red Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

SIGNATURE OF DRILLER / PRINT SIGNEE NAME _____ DATE _____

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

Soil Sampling Logs

eTECH

	Sample Name: PH01	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.5242, -103.34	Hole Diameter: N/A	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-4') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel, some staining, hydrocarbon odor.
Dry	1,744	83.1	Yes	PH01	0.5			
-	-	-	-	-	1	1		(4-6') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel no staining, no odor.
Dry	192	98.0	Yes		2	2		
-	-	-	-	-		3		
Dry	356	25.2	Yes	PH01	4	4		
-	-	-	-	-		5		
Dry	192	0.8	No	PH01	6	6		

Total Depth

eTECH

	Sample Name: PH02	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.5242, -103.34	Hole Diameter: N/A	Total Depth: 6'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SW-SM	(0-4') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel, some staining, hydrocarbon odor.
Dry	1,700	310.1	Yes	PH02	0.5			
-	-	-	-	-		1		(4-6') SAND, dry, reddish brown, well graded fine to coarse grained, with silt and gravel no staining, no odor.
Dry	216	317.1	Yes		2	2		
-	-	-	-	-		3		
Dry	680	184.8	Yes	PH02	4	4		
-	-	-	-	-	5	5		
Dry	<112	0.4	No	PH02	6	6		

Total Depth

eTECH

	Sample Name: PH03	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	180	0.3	No	PH03	0.5			
Dry	180	0.0	No	PH03	1	1		

Total Depth

eTECH

	Sample Name: PH04	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	0.0	No	PH04	0.5			
Dry	<112	0.0	No	PH04	1	1		

Total Depth

eTECH	Sample Name: PH05	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	0.0	No	PH05	0.5			
Dry	<112	0.0	No	PH05	1	1		
						Total Depth		

eTECH

	Sample Name: PH06	Date: 08/24/2023
	Site Name: West Eumont Unit LW White 2 Battery	
	Incident Number: NAPP2222156995	
	Job Number: 18340	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
						0	SP	(0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.
Dry	<112	1.0	No	PH06	0.5			
Dry	<112	0.0	No	PH06	1	1		

Total Depth

APPENDIX D

Photographic Log

PHOTOGRAPHIC LOG
Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Incident Number NAPP2222156995

Photograph 1 **Date: 08/07/2023**
Description: Northeastern view during Site assessment acivities.

Photograph 2 **Date: 08/24/2023**
Description: Southeastern view of delineation activities.

Photograph 3 **Date: 08/24/2023**
Description: Southeastern view of delineation activities.

Photograph 4 **Date: 08/24/2023**
Description: Northwestern view of delineation activities.

APPENDIX E

Tables

eTECH

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Forty Acres Energy, LLC
West Eumont Unit LW White 2 Battery
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples - Incident Number NAPP2222156995										
PH01	08/24/2023	0.5	<0.0250	1.60	35.7	11,800	<5,000	**11,800**	**11,800**	1,980
PH01	08/24/2023	4	<0.0250	<0.0500	<20.0	168	64.3	232.3	232.3	841
PH01	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	107
PH02	08/24/2023	0.5	0.0324	7.81	99.3	13,200	<5,000	**13,200**	**13,200**	1,240
PH02	08/24/2023	4	<0.0250	1.32	36.9	4,850	<5,000	**4,886.9**	**4,886.9**	576
PH02	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	68.3
PH03	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH03	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH04	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	21.2
PH04	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH05	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	26.6
PH05	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
PH06	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release*

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308214
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308214
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E308214-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH01 4'	E308214-02A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH02 0.5'	E308214-03A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH02 4'	E308214-04A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH01 0.5'

E308214-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	**0.0308**	0.0250	1	08/28/23	08/30/23	
o-Xylene	**0.750**	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	**0.822**	0.0500	1	08/28/23	08/30/23	
Total Xylenes	**1.57**	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**35.7**	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**11800**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**1980**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH01 4'

E308214-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**168**	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	**64.3**	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**841**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH02 0.5'

E308214-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	**0.0324**	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	**1.56**	0.0250	1	08/28/23	08/31/23	
Toluene	**0.286**	0.0250	1	08/28/23	08/31/23	
o-Xylene	**2.43**	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	**3.51**	0.0500	1	08/28/23	08/31/23	
Total Xylenes	**5.94**	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**99.3**	20.0	1	08/28/23	08/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**13200**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*172 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**1240**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

PH02 4'

E308214-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	**0.276**	0.0250	1	08/28/23	08/31/23	
Toluene	**0.0840**	0.0250	1	08/28/23	08/31/23	
o-Xylene	**0.296**	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	**0.666**	0.0500	1	08/28/23	08/31/23	
Total Xylenes	**0.962**	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	**36.9**	20.0	1	08/28/23	08/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*08/28/23*	*08/31/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	**4850**	2500	100	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Surrogate: n-Nonane		*118 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**576**	20.0	1	08/29/23	08/30/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:47:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335038-BLK1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	417	20.0	250	162	102	80-120	0.358	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:47

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.	**Bill To**
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E308214	23007000l				5 day TAT		
							RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	8/24/2023	S	1	PH01	1	0.5'								X				
10:10	8/24/2023	S	1	PH01	2	4'								X				
10:30	8/24/2023	S	1	PH02	3	0.5'								X				
10:40	8/24/2023	S	1	PH02	4	4'								X				
														X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/28/23	9:55

Lab Use Only

Received on ice: (Y)/ N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:36:58PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308214
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:20	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308211
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308211
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 6'	E308211-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

PH01 6'

E308211-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335039
Chloride	**107**	20.0	1	08/29/23	08/31/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335039-BLK1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	662	20.0	250	412	100	80-120	5.33	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:46

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Forty Acres Energy, LLC.	Bill To
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308211 | Job Number 23007-0001

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:20	8/24/2023	S	1	PH01	1	6'								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/28/23	9:55
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:24:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308211
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:17	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308212
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308212
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH02 6'	E308212-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

PH02 6'

E308212-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*08/30/23*	*08/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335039
Chloride	**68.3**	20.0	1	08/29/23	08/31/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335067-BLK1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.8*		*50.0*		*93.6*	*50-200*			
LCS (2335067-BS1)									Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	*43.1*		*50.0*		*86.2*	*50-200*			
Matrix Spike (2335067-MS1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.9*	*50-200*			
Matrix Spike Dup (2335067-MSD1)				**Source: E308211-01**					Prepared: 08/30/23 Analyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:50:56PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335039-BLK1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)									Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				**Source: E308208-01**					Prepared: 08/29/23 Analyzed: 08/31/23
Chloride	662	20.0	250	412	100	80-120	5.33	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Forty Acres Energy, LLC.	Bill To
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308212 | Job Number 23007-0001

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
10:50	8/24/2023	S	1	PH02	1	6'	X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700		8/28/23	9:55

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:31:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308212
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:18	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Erick Herrera

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:	West Eumont Unit #417
Work Order:	E308209
Job Number:	23007-0001
Received:	8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765

Project Name: West Eumont Unit #417
Workorder: E308209
Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2023 9:55:00AM, under the Project Name: West Eumont Unit #417.

The analytical test results summarized in this report with the Project Name: West Eumont Unit #417 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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rainaschwanz@envirotech-inc.com

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Cell: 505-320-4759
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Rayny Hagan
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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 0.5'	E308209-01A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH03 1'	E308209-02A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH04 0.5'	E308209-03A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH04 1'	E308209-04A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH05 0.5'	E308209-05A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH05 1'	E308209-06A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH06 0.5'	E308209-07A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.
PH06 1'	E308209-08A	Soil	08/24/23	08/28/23	Glass Jar, 2 oz.

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH03 0.5'

E308209-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**115**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH03 1'

E308209-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**115**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH04 0.5'

E308209-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**21.2**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH04 1'

E308209-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*85.0 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH05 0.5'

E308209-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*89.4 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	**26.6**	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH05 1'

E308209-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH06 0.5'

E308209-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*96.7 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

Sample Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

PH06 1'

E308209-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*08/28/23*	*08/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*08/30/23*	*08/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS (2335027-BS1)									Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.44*		*8.00*		*93.0*	*70-130*			
Matrix Spike (2335027-MS1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.35	0.0250	5.00	ND	87.0	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.43*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2335027-MSD1)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335027-BLK1)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.85*		*8.00*		*85.6*	*70-130*			
LCS (2335027-BS2)									Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	37.4	20.0	50.0		74.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
Matrix Spike (2335027-MS2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.2*	*70-130*			
Matrix Spike Dup (2335027-MSD2)				**Source: E308209-02**					Prepared: 08/28/23 Analyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.97*		*8.00*		*87.1*	*70-130*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335061-BLK1)									Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			
LCS (2335061-BS1)									Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
Matrix Spike (2335061-MS1)				**Source: E308208-01**					Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
Matrix Spike Dup (2335061-MSD1)				**Source: E308208-01**					Prepared: 08/30/23 Analyzed: 08/30/23
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	0.163	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	**Reported:**
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 1:42:24PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2335038-BLK1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)									Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				**Source: E308134-01**					Prepared: 08/29/23 Analyzed: 08/30/23
Chloride	417	20.0	250	162	102	80-120	0.358	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
13000 W County RD 100	Project Number:	23007-0001	**Reported:**
Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 13:42

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.	Bill To
Project: West Eumont Unit #417	Attention: Etech Environmental & Safety Solutions, Inc.
Project Manager: Erick Herrera	Address: 13000 W County Rd 100
Address: 13000 W County Rd 100	City, State, Zip_Odessa,TX, 79765
City, State, Zip_Odessa,TX, 79765	Phone: (432)563-2200
Phone: (281)777-4152	Email:
Email: erick@etechenv.com, joseph@etechenv.com	WO: N/A
Collected by: Edyte Konan	Incident ID: nAPP2222156995

Lab Use Only: Lab WO# E308209; Job Number 23007 0001

TAT: 1D | 2D | 3D | Standard — 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:00	8/24/2023	S	1	PH03	1	0.5'								X				
11:10	8/24/2023	S	1	PH03	2	1'								X				
11:20	8/24/2023	S	1	PH04	3	0.5'								X				
11:30	8/24/2023	S	1	PH04	4	1'								X				
11:40	8/24/2023	S	1	PH05	5	0.5'								X				
11:50	8/24/2023	S	1	PH05	6	1'								X				
12:00	8/24/2023	S	1	PH06	7	0.5'								X				
12:10	8/24/2023	S	1	PH06	8	1'								X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	08/25/23	15:00	Michelle Gonzales	08-25-23	1500
Michelle Gonzales	08-25-23	1700	[signature]	8/28/23	9:55

Lab Use Only

Received on ice: (Y)/ N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/28/2023 1:19:48PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 09:55	Work Order ID:	E308209
Phone:	(281) 777-4152	Date Logged In:	08/28/23 10:16	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 17, 2023 9:22 AM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning Erick,

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

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, August 17, 2023 8:11 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>
Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following sites from August 22nd through August 25th.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: West Eumont Unit #417/LW2 Battery
Incident Number: nAPP2222156995
API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: State WE H Battery
Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: Atlantic State #003
Incident Number: nAPP2321654246
API#: 30-025-03508

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

Work: (432) 305-6416
Cell: (281) 777-4152

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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QUESTIONS

Action 334875

QUESTIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2234725189**
Incident Name	**NAPP2234725189 L W WHITE 2 BATTERY @ 30-025-44254**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**
Incident Well	**[30-025-44254] WEST EUMONT UNIT #417**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	L W WHITE 2 BATTERY
Date Release Discovered	12/09/2022
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Production Tank | Crude Oil | Released: 32 BBL | Recovered: 30 BBL | Lost: 2 BBL.
Produced Water Released (bbls) Details	*Not answered.*
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)	Forty Acres Energy requests that the assessments and soil sampling done for incident no.: NAPP2222156995 be applied to Incident No. nAPP2234725189.

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QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Forty Acres Energy requests that the assessments and soil sampling done for incident no.: NAPP2222156995 be applied to Incident No. nAPP2234725189.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/23/2024

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1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (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 are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	20000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2500
GRO+DRO (EPA SW-846 Method 8015M)	1000
BTEX (EPA SW-846 Method 8021B or 8260B)	10
Benzene (EPA SW-846 Method 8021B or 8260B)	50
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	
On what date will (or did) the final sampling or liner inspection occur	
On what date will (or was) the remediation complete(d)	
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1350
What is the estimated volume (in cubic yards) that will be remediated	200
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/23/2024
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.	

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QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	there are 3 active production tanks and flowlines would need to be removed. These tanks are still active and needed for production operations. Removing old tanks could cause additional releases and a need for brand new tanks or need to reconstruct facility.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	200
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1350
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-025-44254 WEST EUMONT UNIT #417
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/23/2024

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QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

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

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CONDITIONS

Action 334875

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 334875
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	5/16/2024