

# **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.

Deferral Request Report Incident Number NAPP2222156995 West Eumont Unit LW White 2 Battery Released to Imaging: 5/16/2024 7:51:19 AM



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 <sup>†</sup>
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

<sup>†</sup>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<sup>®</sup> chloride QuanTab<sup>®</sup> 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.

Erich

Erick Herrera Staff Geologist

sep-SHd

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















## **APPENDIX B**

## **Referenced Well Records**





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Z	OSE POD NO. POD-1	(WELL NO.	)		WELL TAG ID NO 213A19			ose file no(s). CP-1975					
ATIO	WELL OWNER							PHONE (OPTI	ONAL)				
LOC.	Clay Tom C	ooper											
AND WELL LOCATION	WELL OWNE Box 6	R MAILING	ADDRESS		CITY Monument		state NM	88265	ZIP				
ND /	WELL		DE	GREES	MINUTES	SECO							
AL A	LOCATION	LA1	TITUDE	32	31	09	0.6 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A S	SECOND		
GENERAL	(FROM GPS	b) LON	NGITUDE	103	20	24	4.7 W	* DATUM REG	QUIRED: WGS 84				
	DESCRIPTIO	N RELATIN	IG WELL LOCATION TO	STREET AD	DRESS AND COMMO	N LANDM	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	ILABLE		
1.													
	LICENSE NO.	_	NAME OF LICENSED	DRILLER					NAME OF WELL DR				
	1839				Boyd Coffey					Coffey D	-		
	DRILLING ST. 8-24-20		DRILLING ENDED 8-24-2023	DEPTH OF C	COMPLETED WELL (F 160	T)		le depth (ft) 160	DEPTH WATER FIRS	ST ENCO NA	. ,		
Z	COMPLETED	WELL IS:	ARTESIAN	🖌 DRY H	OLE 🗌 SHALLO	W (UNCO	ONFINED)		STATIC WATER LEV	'EL IN CO NA		LL (FT)	
VIIO	DRILLING FL	UID:	AIR	MUD	ADDITIV	/ES – SPE	CIFY:						
RMA	DRILLING ME	ETHOD:	✓ ROTARY	HAMM	ER CABLE 1	FOOL	OTHE	R – SPECIFY:					
NFO	DEPTH (	feet bgl)	BORE HOLE	CASIN	G MATERIAL ANI	D/OR		ASING	CASING	CASI	NG WALL	SLOT	
CASING INFORMATION	FROM TO DIAM (inches)		(includ	GRADE e each casing string	, and	CON	NECTION TYPE	INSIDE DIAM.	TH	CKNESS inches)	SIZE (inches)		
CAS	0	20	10	not	e sections of screen	)	(add coup	ling diameter) bell	(inches) 5	,	sdr 21	(	
2. DRILLING &	20	100	8.75		PVC			bell	5		sdr 21		
TLIN	100	120	8.75		PVC			bell	5		sdr 21	0.020	
DRII	120	160	8.75		PVC			bell	5		sdr 21		
2.													
	DEPTH (:	feet bgl)	BORE HOLE	I	LIST ANNULAR S	EAL MA	ATERIAL A	AND	AMOUNT		METHO	D OF	
IAL	FROM	ТО	DIAM. (inches)	GR	AVEL PACK SIZE	-RANG	E BY INTE	RVAL	(cubic feet)		PLACEM	PLACEMENT	
TER	0	20	10		3/8 Bento				8		Pou		
ANNULAR MATERIAL	20	160	8.75		3/8 p	ea grave	1		38		Pou	r	
LAR													
INN													
3. AI													
FOR	OSE INTERN	VAL USE						WR-2	0 WELL RECORD a	& LOG (	Version 04/3	0/19)	
	e no.				POD NO	D		TRN 1					
LOC	CATION							WELL TAG I	D NO		PAGE	1 OF 2	

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			1					Т			
	DEPTH (1 FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL E R-BEARING CAVITIES O	R FRAC	TURE ZONE	s	WA BEAR (YES	ING?	ESTIMATED YIELD FOR WATER- BEARING
	THOM	10		(attach sup	plemental sheets to fully do	escribe a	all units)		(YES	/ NO)	ZONES (gpm)
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	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	
Т	108	160	52		Red Clay				Y	✓ N	
4. HYDROGEOLOGIC LOG OF WELL									Y	Ν	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	G STRATA:			TOTA	L ESTIN	1ATED	
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NC	WELL TES	T TEST	RESULTS - ATT. T TIME, END TIM	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING IOWING DISCHARGE AN	WELL T D DRA	FESTING, INC WDOWN OVI	CLUDIN ER THE	IG DISC E TESTIN	HARGE N IG PERIC	METHOD, D.
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EST	PRINT NAM	IE(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	F WELL CON	STRUC	TION O	THER TH	AN LICENSEE
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SIGNATURE	WELL RECO	ORD WILL	ALSO BE FILED	WITH THE PERMIT H	IOLDER WITHIN 30 DAYS	S AFTEF	R THE COMPI	LETION	OF WE	LL DRILI	LING.
GNA											
6. SI											
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME					DATE	
FOF	R OSE INTER	NAL USE					WR-20 WE	LL REC	CORD &	LOG (Vei	rsion 04/30/2019)
	E NO.				POD NO.		TRN NO.		u		
LO	CATION					WELL	TAG ID NO.				PAGE 2 OF 2

## APPENDIX C

# Soil Sampling Logs



i											
		7 -	-	_	_			Sample Name: PH01	Date: 08/24/2023		
		- 1						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 Coo								Hole Diameter: N/A	Total Depth: 6'		
Comments: Field screening conducted with HACH Chloride Test S performed with 1:4 dilution factor of soil to distilled water. No correct									apor, respectively. Chloride test		
Moisture Content	Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) USCS/Rock Symbol						Lithologic Des	scriptions/Notes			
Dry	1,744	83.1	Yes	PH01	0.5	0	SW-SM	(0-4') SAND, dry, reddish br fine to coarse grained, with	own, well graded silt and gravel, some staining,		
2.9	.,	00.1			-	+		hydrocarbon odor.	one and gravel, come claimig,		
-	-	-	-	-	1 _	1					
Dry	192	98.0	Yes		2_	2		(4-6') SAND, dry, reddish br fine to coarse grained, with odor.	silt and gravel no staining, no		
-	-	-	-	-	-	3					
Dry	356	25.2	Yes	PH01	4 _	_ 4					
-	-	-	-	-	_	5					
					-	ł					
Dry	192	0.8	No	PH01	6	6		) on th			
	Total Depth										

									<b>A 1 1 1 1 1 1 1 1 1 1</b>				
		7 -		_					•	Date: 08/24/2023			
		- 7		_(					Site Name: West Eumont Unit LW White 2 Battery				
									Incident Number: NAPP2222156995				
					- ·				Job Number: 18340				
LITHOLOGIC / SOIL SAMPLING LOG							i LOC	j		Method: Backhoe			
Site Coordinates: 32.5242, -103.34								<b>-</b> · ·		Total Depth: 6'			
Comments: Field screening conducted with HACH Chloride Test S performed with 1:4 dilution factor of soil to distilled water. No correct									oor, respectively. Chloride test				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Leet by J	(f	USCS/Rock Symbol	Lithologic Desc				
Dry	1,700	310.1	Yes	PH02	0.5		0	SW-SN	(0-4') SAND, dry, reddish bro fine to coarse grained, with si	•			
	,					Ť	1		hydrocarbon odor.	5 · · · · · · · · · · · · · · · · · · ·			
-	-	-	-	-		+	1		(4-6') SAND, dry, reddish bro fine to coarse grained, with si odor.				
Dry	216	317.1	Yes		2	+	2						
-	-	-	-	-			3						
Dry	680	184.8	Yes	PH02	4	$\frac{1}{1}$	4						
-	-	-	-	-	5	+	5						
Dry	<112	0.4	No	PH02	6	Ť	6						
		<b>J</b> . r			. <u> </u>	1	<u> </u>	Total D	epth				

ereau	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 S	·				
performed with 1:4 dilution factor of soil to distilled water. No corre					
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) USCS/Rock Symbol					
Dry 180 0.3 No PH03 0.5	(0-1') SAND, dry, light brown, poorly graded,				
Dry 180 0.3 No PH03 0.5	very fine to fine grained, no staining no odor.				
Dry 180 0.0 No PH03 1 1					
Total	Depth				

GTECH									
	Sample Name: PH04     Date: 08/24/2023       Site Name: West Eumont Unit LW White 2 Battery								
VIECH	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									
performed with 1:4 dilution factor of soil to distilled water. No corre	ction factors included.								
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Sample ID Sample ID Sample ID Depth (feet bgs) (feet bgs) USCS/Rock Symbol									
DT: (112 0.0 No D104 0.5 0 SP	(0-1') SAND, dry, light brown, poorly graded,								
Dry <112 0.0 No PH04 0.5	very fine to fine grained, no staining no odor.								
Dry <112 0.0 No PH04 1 1									
Total I	Jepth								

		Sample Name: PHC				
			Site Name: West Eumont Unit LW White 2 Battery Incident Number: NAPP2222156995			
		Job Number: 18340				
	C / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger			
Site Coordinates: 32.5242		Hole Diameter: 4"	Total Depth: 1' ride and vapor, respectively. Chloride test			
	on factor of soil to distilled water. No o					
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID Sample ID Depth (feet bgs) (feet bgs)		Lithologic Descriptions/Notes (0-1') SAND, dry, light brown, poorly graded,			
Dry <112 0.0	No PH05 0.5	. ,	ained, no staining no odor.			
Diy 112 0.0 1						
Dry <112 0.0 N	No PH05 1 1					
	Тс	otal Depth				

<b>_</b>				Sample Name: PH06	Date: 08/24/2023			
				Site Name: West Eumont Unit LW White 2 Battery				
		<b>/</b>		Incident Number: NAPP2222156995 Job Number: 18340				
			2					
		SAMPLING LO	5	Logged By: EK	Method: Hand Auger			
Site Coordinates: 32.5			la Tast St	Hole Diameter: 4"	Total Depth: 1' apor, respectively. Chloride test			
performed with 1:4 dil					apor, respectively. Unional lest			
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (feet bgs) Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes (0-1') SAND, dry, light brown, poorly graded,				
Dry <112 1.0	No PH06	0	SP	very fine to fine grained, no				
		0.5		l very line to line grained, no	stanning no odor.			
Dry <112 0.0	No PH06	1 1						
		†						
			Total D	Depth				

## APPENDIX D

# Photographic Log







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



Photograph 4Date: 08/24/2023Description: Northwestern view of delineation<br/>activities.

## APPENDIX E

## Tables



e <sub>TEC</sub>	СН				Table 1 SAMPLE ANALYT Forty Acres Ener Eumont Unit LW V Lea, New Me	rgy, LLC White 2 Battery				
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 Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation Se	oil Samples - Incident	Number nAPP22221569	95		•	
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:

Justes. bgs: below ground surface mg/kg: milligrams per kilogram BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics DRO: Diesel Range Organics DRO: Di Rang

## APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation







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,



Page 29 of 193

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

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 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

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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#### *Received by OCD: 4/23/2024 10:06:04 AM*

Sample Summary		

		Sample Sum	mai y		
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Reporteur
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.



		impic D	uta			
Forty Acres Energy, LLC	Project Name:		t Eumont Unit #41			
13000 W County RD 100	Project Numbe	er: 2300	07-0001		Reported:	
Odessa TX, 79765	Project Manag	er: Eric		9/1/2023 3:47:55PM		
		PH01 0.5'				
	]	E308214-01				
		Reporting				
Analyte	Result	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	
oluene	0.0308	0.0250	1	08/28/23	08/30/23	
p-Xylene	0.750	0.0250	1	08/28/23	08/30/23	
o,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	
Dil 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



#### *Received by OCD: 4/23/2024 10:06:04 AM*

#### Sample Data

		ampic D	ala			
Forty Acres Energy, LLC	Project Name:	: Wes	t Eumont Unit #			
13000 W County RD 100	Project Numb	er: 230	07-0001	Reported:		
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera		9/1/2023 3:47:55PM	
		PH01 4'				
		E308214-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	mg/kg Analyst: KM			Batch: 2335067
Diesel Range Organics (C10-C28)	168	25.0	1	08/30/23	08/31/23	
Dil 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	Anal	yst: BA		Batch: 2335038
Chloride	841	20.0	1	08/29/23	08/30/23	



#### Sample Data

	50	ampic D	ala			
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Project Numbe Project Manag	er: 230	t Eumont Unit #41 07-0001 k Herrera	.7		<b>Reported:</b> 9/1/2023 3:47:55PM
		PH02 0.5'				
		E308214-03				
		Reporting				
Analyte	Result	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	
oluene	0.286	0.0250	1	08/28/23	08/31/23	
-Xylene	2.43	0.0250	1	08/28/23	08/31/23	
o,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	
urrogate: 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	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	5000	100	08/30/23	08/31/23	
Gurrogate: 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

		impre D				
Forty Acres Energy, LLC	Project Name:	Wes	t Eumont Unit #41			
13000 W County RD 100	Project Numbe	er: 230	07-0001		Reported:	
Odessa TX, 79765	Project Manager: Erick Herrera					9/1/2023 3:47:55PM
		PH02 4'				
		E308214-04				
		Reporting				
Analyte	Result	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	
o,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	
Dil 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	



#### *Received by OCD: 4/23/2024 10:06:04 AM*

## **QC Summary Data**

			•					
	roject Name:		West Eumont U	nit #417				Reported:
3000 W County RD 100 Pr	roject Number:	2	23007-0001					
dessa TX, 79765 Pr	roject Manager:	I	Erick Herrera					9/1/2023 3:47:55PM
	Volatile Or	ganics	by EPA 802	1B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
(2335027-BLK1)						Prepared: 0	8/28/23 A	Analyzed: 08/30/23
ND	0.0250							
zene ND	0.0250							
ND	0.0250							
ND	0.0250							
ne ND	0.0500							
enes ND	0.0250							
e: 4-Bromochlorobenzene-PID 7.37		8.00		92.1	70-130			
335027-BS1)						Prepared: 0	8/28/23 A	Analyzed: 08/30/23
4.61	0.0250	5.00		92.2	70-130			
zene 4.90	0.0250	5.00		97.9	70-130			
4.94	0.0250	5.00		98.8	70-130			
5.09	0.0250	5.00		102	70-130			
ne 10.1	0.0500	10.0		101	70-130			
enes 15.2	0.0250	15.0		101	70-130			
e: 4-Bromochlorobenzene-PID 7.44		8.00		93.0	70-130			
Spike (2335027-MS1)			Source:	E308209-	02	Prepared: 0	8/28/23 A	Analyzed: 08/30/23
4.07	0.0250	5.00	ND	81.3	54-133			
zene 4.32	0.0250	5.00	ND	86.4	61-133			
4.35	0.0250	5.00	ND	87.0	61-130			
4.47	0.0250	5.00	ND	89.5	63-131			
ne 8.92	0.0500	10.0	ND	89.2	63-131			
enes 13.4	0.0250	15.0	ND	89.3	63-131			
2: 4-Bromochlorobenzene-PID 7.43		8.00		92.9	70-130			
Spike Dup (2335027-MSD1)			Source:	E308209-	02	Prepared: 0	8/28/23 A	Analyzed: 08/30/23
4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
zene 4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
ne 9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
enes 13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
ne 9.18	0.0500							


# **QC Summary Data**

				ary Dun	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	Frick Herrera					9/1/2023 3:47:55PM
	No	nhalogenated C	Organics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Date					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		West Eumont U 23007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:		Erick Herrera					9/1/2023 3:47:55PM
	Nonha	alogenated Org	anics by	FEPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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**

			-	<i>.</i>					
Forty Acres Energy, LLC		Project Name:	v	Vest Eumont U	nit #417				Reported:
13000 W County RD 100		Project Number:	2	3007-0001					
Odessa TX, 79765		Project Manager	: E	Erick Herrera					9/1/2023 3:47:55PM
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335038-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)							Prepared: 0	8/29/23 A	Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	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.



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
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Released to Imaging: 5/16/2024 7:51:19 AM

#### **Chain of Custody**

Client: Fo	orty Acres Ene	rev. IIC				Bill To		ī		L	sb U	se On	lv .		1		T.	AT		EPA P	rogram
Project:	West Eumont	Unit #41	7			Attention: Etech Environmental & Salet	Solutions inc	Itab	WO			_	Numb	er	10	2D	3D	St	andard	CWA	SDWA
Project N	Aanager: Erich	Herrera				Address: 13000 W County Rd 100		ĪĒ	٥Š	יו2	4	23	<b>D</b> TO	$\infty$				5	day TAT		
Address:	13000 W Cou	inty Rd 10	00			City, State, Zip_Odessa, TX, 79765					•			Metho	d				[ ]		RCRA
	e, Zip_Odess					Phone: (432)563-2200		╉╴┄┙	3		Γ_	T		<u> </u>	1		Ť T	1	1		
Phone: (.	281)777-4152				_	Email:		1	<u>g</u>									ł	·	State	
	ick@etechen		enh@et	echeny co		WO: N/A		4	8		ł.		•		ž	1		ſ	NM CO	UT AZ	TX
	by: Edyte Ko		epne-et			Incident ID: nAPP2222156995		1	Ē.	i i i	3	8	8		ł –		Ĕ	1			
Time Sampled	Date Sempled	Materia	Nex. of Containers	Sample 1D		naiden(10. 10477222230333	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	81TX by 5023	VOC 5y 8260	Metals 6010	Chiarida 300.0		96000		N N N N N N N			Remarks	
10:00	8/24/2023	s	1			PHOI	1	0.5'	<u> </u>	<u> </u>		-			x	1			1		
10:10	8/24/2023	s	1			PH01	Ż	4'							x					<u> </u>	
10:30	8/24/2023	5	1		••••	рног	3	0.5'						-	x			<b> </b>	1		
10:40	8/24/2023	s	1			PHO2	4	4'	1						x		ŀ				
						······································									X	-					
					•	1															
						V									Γ						
					- · · · ·																-
Addition	al Instruction	ns:												•	·			<b>.</b>	•		
	plor), attest to the e of collection is co			-		e thet tampering with or intentionally mislabellic Sempled by:	g the sample locati	an,											l on ics the day on 6 °C on subs	-	pliet or
Relinquish	ed by: ISignatur	e)	Data 08	25123	Rm4 15500	Received by: (Signature) Michelle Gonzales	Dete 08-25-2	3	Time 15	500		Rece	lved o	n ice:		n VG	le On	xly			
Relinquist	chelle Gor	er Izales	Date 08	-25-23	™ 1700	Received by: (yene well	Date 8/28/2	23	Ÿ.	'5'	5	T1			12		•		13		
	ed by: (Signatur		Dati	•	Rme	Received by: (Signature)	Date		fime			AVG	Temp	°c4	Ŧ						
Sample Ma	urbu: S - Soli, Sd - Se	olid, Se - Shud	ige, A - Aque	ous, 0 · Other		<b></b>	Container Ty	pe: g -	glass	, p - c	xoly/				855.1	v • VC	A				
Note: Sam	ples are discard	ed 30 days	after result	s are reporte	ito aseinu be	ter arrangements are made. Hazardous si	imples will be ret	Ined	to cile	nt or c	lispor	ied of	at the c	lent exp	1018.	The	eport	for th	ne enalysis o	if the abov	e samples li

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 Analytical Laboratory**

Sample Receipt Checklist (SRC)

Email: C <b>hain of C</b>							E308214
Email: C <b>hain of C</b>		ate Logged In:	08/28/23	10.20		Logged In By:	Caitlin Mars
	erick@etechenv.com D	ue Date:		17:00 (4 day TAT)	ı		
	Custody (COC)						
	e sample ID match the COC?		Yes				
2. Does the	e number of samples per sampling site location match	the COC	Yes				
. Were sar	mples dropped off by client or carrier?		Yes	Carrier:	Courier		
I. Was the	COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes	0	<u></u>		
	I samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			<u>Commen</u>	ts/Resolution
	urn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample Co	· •						
_	ample cooler received?		Yes				
	vas cooler received in good condition?		Yes				
-	sample(s) received intact, i.e., not broken?		Yes				
0. Were c	custody/security seals present?		No				
	were custody/security seals intact?		NA				
2. Was the	sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes				
	minutes of sampling						
3. If no vi	isible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>C</u>				
Sample Co							
-	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
-	ppropriate volume/weight or number of sample containers	s collected?	Yes				
Field Labe	—						
	ield sample labels filled out with the minimum inform mple ID?	ation:	Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
<u>Sample Pr</u>	reservation						
-	he COC or field labels indicate the samples were press	erved?	No				
2. Are sar	mple(s) correctly preserved?		NA				
4. Is lab fi	filteration required and/or requested for dissolved meta	ıls?	No				
<u>Aultiphas</u>	se Sample Matrix						
. Does th	he sample have more than one phase, i.e., multiphase?		No				
27. If yes, o	does the COC specify which phase(s) is to be analyze	d?	NA				
<u>Subcontra</u>	act Laboratory						
	mples required to get sent to a subcontract laboratory?		No				
	subcontract laboratory specified by the client and if so		NA	Subcontract La	ıb: NA		

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



envirotech Inc.

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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

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

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

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 Sum	mary		·
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Depented
13000 W County RD 100		Project Number:	23007-0001		Reported:
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.



		ampic D	uu			
Forty Acres Energy, LLC 13000 W County RD 100	Project Name Project Numb	er: 2300	t Eumont Uni 07-0001	t #417		<b>Reported:</b> 9/1/2023 3:46:55PM
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 3:46:55PM
		PH01 6'				
		E308211-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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	
Foluene	ND	0.0250	1	08/28/23	08/30/23	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	Ar	nalyst: 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	Ar	nalyst: KM		Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Dil 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	Ar	nalyst: BA		Batch: 2335039
Chloride	107	20.0	1	08/29/23	08/31/23	

# Sample Data



# **QC Summary Data**

	Project Name:	W	est Eumont U	nit #417				Reported:
	Project Number:	23	3007-0001					
	Project Manager:	Eı	rick Herrera					9/1/2023 3:46:55PM
	Volatile O	rganics <b>k</b>	oy EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	8/28/23 A	nalyzed: 08/30/23
ND	0.0250					-		
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.37		8.00		92.1	70-130			
						Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.61	0.0250	5.00		92.2	70-130			
4.90	0.0250	5.00		97.9	70-130			
4.94	0.0250	5.00		98.8	70-130			
5.09	0.0250	5.00		102	70-130			
10.1	0.0500	10.0		101	70-130			
15.2	0.0250	15.0		101	70-130			
7.44		8.00		93.0	70-130			
			Source:	E308209-0	)2	Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.07	0.0250	5.00	ND	81.3	54-133			
4.32	0.0250	5.00	ND	86.4	61-133			
4.35	0.0250	5.00	ND	87.0	61-130			
4.47	0.0250	5.00	ND	89.5	63-131			
8.92	0.0500	10.0	ND	89.2	63-131			
13.4	0.0250	15.0	ND	89.3	63-131			
7.43		8.00		92.9	70-130			
			Source:	E308209-(	)2	Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
	ND ND ND ND ND ND ND 7.37 4.61 4.90 4.94 5.09 10.1 15.2 7.44 4.07 4.32 4.35 4.47 8.92 13.4 7.43 4.18 4.44 4.48 4.66 9.18	And State     Project Number: Project Manager:       Volatile Or       Result mg/kg     Reporting Limit mg/kg       ND     0.0250       A.61     0.0250       4.61     0.0250       4.94     0.0250       10.1     0.0500       15.2     0.0250       7.44     0.0250       4.35     0.0250       4.47     0.0250       4.44     0.0250       7.43     0.0250       4.48     0.0250       4.48     0.0250       4.48     0.0250       4.46     0.0250       9.18     0.0500	Project Number:     2.3       Project Manager:     En       Volatile Organics I       Result     Reporting     Spike       mg/kg     mg/kg     mg/kg       ND     0.0250       Solo     5.00       4.61     0.0250       Solo     5.00       4.90     0.0250       Solo     5.00       10.1     0.0500       10.2     0.0250       7.44     8.00       4.47     0.0250       4.47     0.0250       7.43     8.00       4.18     0.0250       7.43     8.00       4.44     0.0250       5.00     4.44 <tr< td=""><td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 802       Result     Spike     Source       mg/kg     mg/kg     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       A.61     0.0250     mg/kg     mg/kg       4.61     0.0250     mg/kg     mg/kg       4.61     0.0250     mg/kg     mg/kg       4.61     0.0250     5.00     mg/kg       4.90     0.0250     5.00<td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Result       Result     Reporting     Spike     Source       Result     Reporting     Spike     Source       MD     0.0250     mg/kg     mg/kg     %       ND     0.0250     ND     0.0250       ND     0.0250     Source     Source       4.61     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.91     0.0250     5.00     92.2       4.92     0.0250     5.00     92.2       4.93     0.0250     5.00     92.2       4.93     0.0250     5.00     93.0       &lt;</td><td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source Result mg/kg     Rec     Limit mg/kg       ND     0.0250     mg/kg     mg/kg     %     %       ND     0.0250     sevent     sevent     sevent       A60     92.1     70-130       4.61     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       5.90     0.0250     5.00     93.0     70-130       15.2     0.0250     5.00     ND     86.4     61-133       4.32<td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Rec     Rec     Rec     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250        Prepared: 0       ND     0.0250        Prepared: 0       A.60     92.1     70-130       Prepared: 0       4.61     0.0250     5.00     97.9     70-130        4.94     0.0250     5.00     93.0     70-130        4.94     0.0250     5.00     93.0     70-130        7.44     8.00     93.0     70-130         4.32     0.0250     5.00     ND</td><td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Reporting     Spike     Source     Rec     Limits     RPD     Limit       mg/kg     mg/kg     mg/kg     %&lt;</td></td></td></tr<>	Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 802       Result     Spike     Source       mg/kg     mg/kg     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       ND     0.0250     mg/kg     mg/kg       A.61     0.0250     mg/kg     mg/kg       4.61     0.0250     mg/kg     mg/kg       4.61     0.0250     mg/kg     mg/kg       4.61     0.0250     5.00     mg/kg       4.90     0.0250     5.00 <td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Result       Result     Reporting     Spike     Source       Result     Reporting     Spike     Source       MD     0.0250     mg/kg     mg/kg     %       ND     0.0250     ND     0.0250       ND     0.0250     Source     Source       4.61     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.91     0.0250     5.00     92.2       4.92     0.0250     5.00     92.2       4.93     0.0250     5.00     92.2       4.93     0.0250     5.00     93.0       &lt;</td> <td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source Result mg/kg     Rec     Limit mg/kg       ND     0.0250     mg/kg     mg/kg     %     %       ND     0.0250     sevent     sevent     sevent       A60     92.1     70-130       4.61     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       5.90     0.0250     5.00     93.0     70-130       15.2     0.0250     5.00     ND     86.4     61-133       4.32<td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Rec     Rec     Rec     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250        Prepared: 0       ND     0.0250        Prepared: 0       A.60     92.1     70-130       Prepared: 0       4.61     0.0250     5.00     97.9     70-130        4.94     0.0250     5.00     93.0     70-130        4.94     0.0250     5.00     93.0     70-130        7.44     8.00     93.0     70-130         4.32     0.0250     5.00     ND</td><td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Reporting     Spike     Source     Rec     Limits     RPD     Limit       mg/kg     mg/kg     mg/kg     %&lt;</td></td>	Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Result       Result     Reporting     Spike     Source       Result     Reporting     Spike     Source       MD     0.0250     mg/kg     mg/kg     %       ND     0.0250     ND     0.0250       ND     0.0250     Source     Source       4.61     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.90     0.0250     5.00     92.2       4.91     0.0250     5.00     92.2       4.92     0.0250     5.00     92.2       4.93     0.0250     5.00     92.2       4.93     0.0250     5.00     93.0       <	Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source Result mg/kg     Rec     Limit mg/kg       ND     0.0250     mg/kg     mg/kg     %     %       ND     0.0250     sevent     sevent     sevent       A60     92.1     70-130       4.61     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       4.90     0.0250     5.00     98.8     70-130       5.90     0.0250     5.00     93.0     70-130       15.2     0.0250     5.00     ND     86.4     61-133       4.32 <td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Rec     Rec     Rec     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250        Prepared: 0       ND     0.0250        Prepared: 0       A.60     92.1     70-130       Prepared: 0       4.61     0.0250     5.00     97.9     70-130        4.94     0.0250     5.00     93.0     70-130        4.94     0.0250     5.00     93.0     70-130        7.44     8.00     93.0     70-130         4.32     0.0250     5.00     ND</td> <td>Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Reporting     Spike     Source     Rec     Limits     RPD     Limit       mg/kg     mg/kg     mg/kg     %&lt;</td>	Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Rec     Rec     Rec     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     Reporting     Spike     Source     Rec     Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250        Prepared: 0       ND     0.0250        Prepared: 0       A.60     92.1     70-130       Prepared: 0       4.61     0.0250     5.00     97.9     70-130        4.94     0.0250     5.00     93.0     70-130        4.94     0.0250     5.00     93.0     70-130        7.44     8.00     93.0     70-130         4.32     0.0250     5.00     ND	Project Number:     23007-0001       Project Manager:     Erick Herrera       Volatile Organics by EPA 8021B     Reporting     Spike     Source     Rec     Limits     RPD     Limit       mg/kg     mg/kg     mg/kg     %<



# **QC Summary Data**

				ary Date	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont Un 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	Erick Herrera					9/1/2023 3:46:55PM
	No	nhalogenated C	Organics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\mathbf{x} \circ \sim$		ary Date					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	Е	rick Herrera					9/1/2023 3:46:55PM
	Nonha	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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**

		•		v					
Forty Acres Energy, LLC		Project Name:	W	est Eumont U	nit #417				Reported:
13000 W County RD 100		Project Number:	23	3007-0001					•
Odessa TX, 79765		Project Manager	: Eı	rick Herrera					9/1/2023 3:46:55PM
		Anions	by EPA 3	<b>300.0/9056</b> A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335039-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-0	)1	Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-0	)1	Prepared: 0	8/29/23 A	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.



Γ	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
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Released to Imaging: 5/16/2024 7:51:19 AM

#### **Chain of Custody**

Client: Er	orty Acres Ene				<u> 1</u>	Bill Ta			<b></b>		La	b Us	e On	İv	<u> </u>		_		T/	AT		EPA P	rogram
	Nest Eumont		,		i	Attention: Etech Environmental & Safet	Colutio		Lab 1	WO#		_	Job	Num	ber		10	2D	3D	St	andard	ĊŴA	SDWA
	Aanager: Erick					Address: 13000 W County Rd 100	3016116	415 <u>1 9112.</u>	Lab I E 3	nr	211		23	$\mathcal{R}$	$\infty$	1 /				50	day TAT		
	13000 W Cou		<u>x</u>							<u></u>			Analy	sis aı	nd Me	thod							RCRA
	e, Zip_Odessa					hone: (432)563-2200				4						_ ]							I
	281)777-4152					mail:				è										1		State	
	ick@etechenv		eph@et	echenv.co		NO: N/A				ğ	-	_		2			M	1	×	ł	NM CO	UT AZ	XT
	by: Edyte Ko					ncident ID: nAPP2222156995			3	ē,	ŝ	626	1 S	300.0						ŀ			
Time Sampled	Data Sampled	Matrix	has of Common	Sample ID			Lab	Number	Depth(h.)	TPH GRO/DRD/ORO by B015	8021 by 8021	VOC by \$260	Metals 6010	Chloride		ĺ	BGDOC		6000			Remarks	; 
10:20	8/24/2023	s	1	1		РН01	1	· · · · ·	6'								X		Ī				
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Addition	al Instruction	ns:	<b></b>																				
	pler), attest to the e of collection is co					that sampering with or intentionally mislabelli Semoled by:	ng tine sai	mple locat	lon,			··									i on ice the day an 6 °C on sub		
	ed by: (Signature		Ont		1ime 15;00	Received by: (Slenature) Michelle Gonzales	Date O8	3-25-2	3	<sup>Time</sup>	500		Rec	aiveo	l on ic	e:	_	ab U: ) / N	sa Or L	n <b>iy</b>			
	ed by: (Signatur helle Gonz		Date		Time 1700	Respired by: (Signature)	Date	28/2		Тыла 9°,	5	5	TI		_		12				ТЗ		
	ed by: (Signatur		Dati	•	Time	Received by: (Signature)	Date			Time			AVG	i Ten	np °C_	4	 }		-				
						<u></u>	Con	tainer Ty	/De: 1	- glas	IS, D -							v - V	'OA				
Sample Ma	(nz: \$ - 5ad, 5d - 5a			te ase report	d upless oth	er arrangements are made. Hazardous s														rt for	the analysis	of the abo	we samples

applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount peld for on the report.



### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Forty Acres Energy, LLC Da	ate Received:	08/28/23	09:55	Work Order ID:	E308211
Phone:		ate Logged In:	08/28/23		Logged In By:	Caitlin Mars
Email:		ie Date:		17:00 (4 day TAT)	Lögged in Dy.	
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC				
	samples dropped off by client or carrier?	une coc	Yes Yes	Comion Courion		
	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	Carrier: Courier		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	•	Yes		<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	Ċ			
	Container		_			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	ibel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
_	<u>Preservation</u> s the COC or field labels indicate the samples were prese	mued?	No			
	sample(s) correctly preserved?		NO			
	b filteration required and/or requested for dissolved meta	ds?	No			
			110			
	a <u>ase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?		<b>ħ</b> ⊺-			
	s, does the COC specify which phase(s) is to be analyze		No			
		41	NA			
<u>Subcont</u>	tract Laboratory		3.7			
			No			
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		

C

Date

envirotech Inc.

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



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

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

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

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 Sum	mary		·
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Reporteu:
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.



	D	ampic D	uu				
Forty Acres Energy, LLC 13000 W County RD 100	Project Name Project Numb	ber: 2300	t Eumont Unit 07-0001	#417		Reported:	
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/1/2023 3:50:56PM	
		PH02 6'					
		E308212-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		
o,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	Ana	lyst: 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	Ana	lyst: KM		Batch: 2335067	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23		
Dil 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	Ana	lyst: BA		Batch: 2335039	
Chloride	68.3	20.0	1	08/29/23	08/31/23		

# Sample Data



# **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	fest Eumont U 8007-0001 rick Herrera	nit #417				<b>Reported:</b> 9/1/2023 3:50:56PM
		Volatile Or	rganics l	oy EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 0	8/28/23 A	nalyzed: 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			
p-Xylene	5.09	0.0250	5.00		102	70-130			
o,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: 0	8/28/23 A	nalyzed: 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			
,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: 0	8/28/23 A	nalyzed: 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	
o,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	



## **QC Summary Data**

		QU D	umme	in y Data					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	2.	/est Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager	: E	rick Herrera					9/1/2023 3:50:56PM
	Nor	nhalogenated (	Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		QC D	u 111111	ary Data	4				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	2	West Eumont U 23007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	ł	Erick Herrera					9/1/2023 3:50:56PM
	Nonh	alogenated Org	anics by	y EPA 8015E	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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**

		QU N	, and the second	ary Dut					
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager	2	Vest Eumont U 23007-0001 Erick Herrera	nit #417				<b>Reported:</b> 9/1/2023 3:50:56PM
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2335039-BLK1)							Prepared: 0	8/29/23	Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23	Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-0	01	Prepared: 0	8/29/23	Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-0	01	Prepared: 0	8/29/23	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.



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

Client: Forty Acres Energy, LLC.			·	Bill To			Lab Use Only							Ť,	ÂT		EPA P	rogram				
	West Eumont		7			ttention: Etech Environmental & Safe	etu Salut	tons Inc	Lab	WOR			Job Number			10	20	30	Standard		CWA	SDWA
						ddress: 13000 W County Rd 10	<u>erit 2018î</u> O	1947 FB1 (1992.	ידו די	308	21'	7.	1230	307	-000		1	<b>_</b>	5 d	ay TAT		
Project Manager: Erick Herrera Address: 13000 W County Rd 100				ity, State, Zip_Odessa, TX, 79765			┝┺┯	<u></u>	<u>,</u>		_		nd Metho	d						RCRA		
	e, Zip_Odessa					hone: (432)563-2200				3	I	<u> </u>	T	1		T	T					
	281)777-4152					mail:	<b></b>			Depth(ft.) IPH GRO/DRO/ORO by 8015											State	
	ick@etechem		anhaiat	echeny or		man: VO: N/A	—								Σ				NM CO	UT AZ	TX	
	by: Edyte Ko		sepineer	echente.co	<u> </u>	ncident ID: nAPP2222156995			1_	ê	8021	8	1 1 1 1 1 1	8		1		Ř	l t			
Time	Dy. Cuyle Ku			Y	<u>11</u>	(cident ID: NAFF2222136335		Number	É.	8	Ğ	å	13	췵		Ι¥		X	יו			
Sampled	Date Sampled	Matzne	teo of Containers	Sample II	<b>)</b>	· · · · · · · · · · · · · · · · · · ·			Depth(ft.)	H4L NAL	BTEK by	VOC by 8260	Metals 6010	Chioride 300.0		BGDOC BCDOC	<u> </u> .	EDOC 6DOC			Remarks	
10:50	8/24/2023	\$	1			PH02		ł	6'							X				<u></u>		
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Additiona	Instruction	5:		<b>.</b>											·							
	ier), attest to the v of collection is con					hat tampering with or intentionally misiabel Sampled by:	ling the s	empie locati	lon,												y they are sait sequent days.	pled or
	d by: (Signature)		Date		Time	Received by: (Signature)	Date	•		Rme						Ļ	ab U	e On	ily .	<u></u>		
	<del>17</del>		08	25123	15:00	Michelle Gonzales		8-25-2	3	1	500		Rece	lved	on ice:	6	01 N	t				
	t by: (Stenature) helle Gon		Dete		Tame 1700	Received by (Signature)	Date X/	28/2	2	Time 9:	5	5	TI			•ح د ד			٦	3		
	d by: (Signature)		Date	-23-23	Time	Received by: (Signature)	Dela		_	Time			AVG	Tom	¢	<u>,</u>						
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emale Matri	🕿 S - Scil, Sci - Scie	a, Sg - Shudg	e, A - Aques	us, O - Other		r arrangements are made. Hazardous																

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Received by OCD: 4/23/2024 10:06:04 AM

### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	08/28/23	09:55		Work Order ID:	E308212
Phone:	(281) 777-4152 Da	te Logged In:	08/28/23	10:18		Logged In By:	Caitlin Mars
Email:		e Date:		17:00 (4 day TAT	Γ)		
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match t	he COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier	: Courier		
4. Was tl	he 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 i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes			Commen	ts/Resolution
Sample	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	· •						
_	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling visible ice, record the temperature. Actual sample tem	eived w/i 15	Yes				
		iperature: <u>4</u>	<u>c</u>				
	Container aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		No NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La							
-	e field sample labels filled out with the minimum information	tion:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		No				
_	<u>Preservation</u> s the COC or field labels indicate the samples were preser	rved?	No				
	sample(s) correctly preserved?	veu:	NA				
	b filteration required and/or requested for dissolved metal	ls?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed	!?	NA				
			1 12 1				
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract L	ah: NA		
_>. mus	a successful incontrol y specified by the chefit and it so		T 47 T	Subconnact	au. 11/1		

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





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

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

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

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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Sami	ole	Summary
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		Sample Sum	illal y		
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Reporteu:
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.



	impic D					
Project Name:			#417		<b>D</b> (1	
5					Reported:	
Project Manag	er: Eric	k Herrera			9/1/2023 1:42:24PM	
	PH03 0.5'					
-	E308209-01					
	Reporting					
Result	Limit	Dilution	Prepared	Analyzed	Notes	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2335027	
ND	0.0250	1	08/28/23	08/30/23		
ND	0.0250	1	08/28/23	08/30/23		
ND	0.0250	1	08/28/23	08/30/23		
ND	0.0250	1	08/28/23	08/30/23		
ND	0.0500	1	08/28/23	08/30/23		
ND	0.0250	1	08/28/23	08/30/23		
	93.0 %	70-130	08/28/23	08/30/23		
mg/kg	mg/kg	Anal	yst: IY		Batch: 2335027	
ND	20.0	1	08/28/23	08/30/23		
	86.0 %	70-130	08/28/23	08/30/23		
mg/kg	mg/kg	Anal	yst: JL		Batch: 2335061	
ND	25.0	1	08/30/23	08/30/23		
ND	50.0	1	08/30/23	08/30/23		
	98.8 %	50-200	08/30/23	08/30/23		
mg/kg	mg/kg	Ana	yst: BA		Batch: 2335038	
115	20.0	1	08/29/23	08/30/23		
	Project Numbe Project Manag Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number:     2300       Project Manager:     Ericl       PH03 0.5'     E308209-01       E308209-01     Einit       Result     Limit       mg/kg     mg/kg       MD     0.0250       ND     20.0       86.0 %     mg/kg       MD     25.0       ND     50.0       ND     50.0       ND     50.0       Mg/kg     Mg/kg	Project Number:   23007-0001     Project Manager:   Erick Herrera     PH03 0.5'     E308209-01     Reporting     Result   Limit   Dilution     mg/kg   mg/kg   Anal     ND   0.0250   1     ND   20.0   1     MD   20.0   1     MD   25.0   1     ND   25.0   1     ND   50.0   1     ND   50.0   1     ND   50.200   1     Mg/kg   Mg/kg   Mg/kg	Project Number:   23007-0001     Project Manager:   Erick Herrera     PH03 0.5'   Eso8209-01     E308209-01   Eso8209-01     Result   Limit   Dilution   Prepared     ME   Maint   Maint   Prepared     mg/kg   mg/kg   Analyst: IV     ND   0.0250   1   08/28/23     ND   20.0 %   70-130   08/28/23     MD   25.0   1   08/28/23     MD   25.0   1   08/30/23     ND   25.0   1   08/30/23     MD <th< td=""><td>Project Number:   23007-0001     Project Manager:   Erick Herrera     PH03 0.5'     E308209-01     Besult     Result     Limit   Dilution   Prepared   Analyzed     mg/kg   mg/kg   Analyzed   08/30/23     mg/kg   mg/kg   Analyzed   08/30/23     ND   0.0250   1   08/28/23   08/30/23     MD   20.0   1   08/30/23</td></th<>	Project Number:   23007-0001     Project Manager:   Erick Herrera     PH03 0.5'     E308209-01     Besult     Result     Limit   Dilution   Prepared   Analyzed     mg/kg   mg/kg   Analyzed   08/30/23     mg/kg   mg/kg   Analyzed   08/30/23     ND   0.0250   1   08/28/23   08/30/23     MD   20.0   1   08/30/23	

# Sample Data



### Sample Data

	<b>D</b>	ampic D	ara				
Forty Acres Energy, LLC	Project Name	: Wes	t Eumont Unit #41	.7			
13000 W County RD 100	Project Numb	er: 2300	07-0001			<b>Reported:</b> 9/1/2023 1:42:24PM	
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera				
		PH03 1'					
		E308209-02					
		Reporting					
Analyte	Result	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		
p-Xylene	ND	0.0250	1	08/28/23	08/30/23		
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23		
Fotal 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		
Dil 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		


		impre D							
Forty Acres Energy, LLC	Project Name:	Wes	t Eumont Unit #4	17					
13000 W County RD 100	Project Numbe	er: 230	07-0001		Reported:				
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera	Ierrera					
		PH04 0.5'							
		E308209-03							
		Reporting							
Analyte	Result	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				
Foluene	ND	0.0250	1	08/28/23	08/30/23				
p-Xylene	ND	0.0250	1	08/28/23	08/30/23				
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23				
Fotal 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	Analys	t: 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	Analys	ıt: 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	Analys	t: BA		Batch: 2335038			
Chloride	21.2	20.0	1	08/29/23	08/30/23				



	5	ampic D	aia				
Forty Acres Energy, LLC	Project Name	: Wes	t Eumont Unit #4	17			
13000 W County RD 100	Project Numb	ber: 230	07-0001		Reported:		
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 1:42:24PM	
		PH04 1'					
		E308209-04					
		Reporting					
Analyte	Result	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		
p-Xylene	ND	0.0250	1	08/28/23	08/30/23		
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23		
Fotal 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	Analys	t: 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	Analys	t: JL		Batch: 2335061	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23		
Dil 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	Analys	t: BA		Batch: 2335038	
Chloride	ND	20.0	1	08/29/23	08/30/23		



		ampic D	ata			
Forty Acres Energy, LLC	Project Name:	Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	er: 2300	07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 1:42:24PM
		PH05 0.5'				
		E308209-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		
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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,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	Analys	:: 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	Analys	:: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Analys	: BA		Batch: 2335038
Chloride	26.6	20.0	1	08/29/23	08/30/23	



		ampic D	ara			
Forty Acres Energy, LLC	Project Name:	: Wes	t Eumont Unit #41	17		
13000 W County RD 100	Project Numb	er: 2300	07-0001		Reported:	
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 1:42:24PM
		PH05 1'				
		E308209-06				
		Reporting				
Analyte	Result	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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,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	
urrogate: 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	
Dil 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	



	D.	ampic D	aca			
Forty Acres Energy, LLC	Project Name	: Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	ber: 2300	07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 1:42:24PM
		PH06 0.5'				
		E308209-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		
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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,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	Analys	st: 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	Analys	st: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Analys	st: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



	D D					
Forty Acres Energy, LLC	Project Name	e: Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	ber: 230	07-0001		Reported:	
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/1/2023 1:42:24PM
		PH06 1'				
		E308209-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		
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	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
urrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: 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	Analys	t: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Analys	t: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



# **QC Summary Data**

	Project Name:	W	est Eumont U	nit #417				Reported:
	Project Number:	23	3007-0001					
	Project Manager:	Eı	rick Herrera					9/1/2023 1:42:24PM
	Volatile O	rganics b	oy EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	8/28/23 A	nalyzed: 08/30/23
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.37		8.00		92.1	70-130			
						Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.61	0.0250	5.00		92.2	70-130			
4.90	0.0250	5.00		97.9	70-130			
4.94	0.0250	5.00		98.8	70-130			
5.09	0.0250	5.00		102	70-130			
10.1	0.0500	10.0		101	70-130			
15.2	0.0250	15.0		101	70-130			
7.44		8.00		93.0	70-130			
			Source:	E308209-0	)2	Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.07	0.0250	5.00	ND	81.3	54-133			
4.32	0.0250	5.00	ND	86.4	61-133			
4.35	0.0250	5.00	ND	87.0	61-130			
4.47	0.0250	5.00	ND	89.5	63-131			
8.92	0.0500	10.0	ND	89.2	63-131			
13.4	0.0250	15.0	ND	89.3	63-131			
7.43		8.00		92.9	70-130			
			Source:	E308209-(	)2	Prepared: 0	8/28/23 A	analyzed: 08/30/23
4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
	ND ND ND ND ND ND ND 7.37 4.61 4.90 4.94 5.09 10.1 15.2 7.44 4.07 4.32 4.35 4.47 8.92 13.4 7.43 4.18 4.44 4.48 4.66 9.18	And the second	Project Number:         2.3           Project Manager:         En           Volatile Organics I           Result         Reporting         Spike           mg/kg         mg/kg         mg/kg           ND         0.0250           Solo         5.00           4.61         0.0250           Solo         5.00           4.90         0.0250           5.00         5.00           4.94         0.0250           5.09         0.0250           7.44         8.00           4.07         0.0250           4.35         0.0250           5.00         4.47           0.0250         5.00           4.32         0.0250 <tr< td=""><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 802           Result         Spike         Source           mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           A.61         0.0250         mg/kg         mg/kg           4.61         0.0250         mg/kg         mg/kg           4.61         0.0250         mg/kg         mg/kg           4.61         0.0250         5.00         mg/kg           4.62         0.0250         5.00<td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result           Result         Reporting         Spike         Source           Result         Reporting         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           A61         0.0250         S00         92.7           7.37         8.00         92.7           4.61         0.0250         5.00         92.2           4.90         0.0250         5.00         98.8           509         0.0250         5.00         92.2           4.90         0.0250         5.00         101           15.2         0.0250         5.00         102           101         0.0500         10.0         101           7.44         8.00         <td< td=""><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limit mg/kg           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         seasult         Rec         Limits           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           A60         92.1         70-130           4.61         0.0250         5.00         98.8           ND         0.0250         5.00         98.8           A194         0.0250         5.00         98.8           5.09         0.0250         101         70-130           5.12         0.0250         5.00         93.0         70.130           5.13         0.0250         5.00         ND         81.3         54.133           4.50         0.0250         5.00         &lt;</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         ND         %</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result         Rec         Rick         Res         RPD         Limits         RPD           Mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         %         %         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           4.61         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.51         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00         92.3         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00</td></td<></td></td></tr<>	Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 802           Result         Spike         Source           mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           A.61         0.0250         mg/kg         mg/kg           4.61         0.0250         mg/kg         mg/kg           4.61         0.0250         mg/kg         mg/kg           4.61         0.0250         5.00         mg/kg           4.62         0.0250         5.00 <td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result           Result         Reporting         Spike         Source           Result         Reporting         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           A61         0.0250         S00         92.7           7.37         8.00         92.7           4.61         0.0250         5.00         92.2           4.90         0.0250         5.00         98.8           509         0.0250         5.00         92.2           4.90         0.0250         5.00         101           15.2         0.0250         5.00         102           101         0.0500         10.0         101           7.44         8.00         <td< td=""><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limit mg/kg           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         seasult         Rec         Limits           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           A60         92.1         70-130           4.61         0.0250         5.00         98.8           ND         0.0250         5.00         98.8           A194         0.0250         5.00         98.8           5.09         0.0250         101         70-130           5.12         0.0250         5.00         93.0         70.130           5.13         0.0250         5.00         ND         81.3         54.133           4.50         0.0250         5.00         &lt;</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         ND         %</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result         Rec         Rick         Res         RPD         Limits         RPD           Mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         %         %         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           4.61         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.51         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00         92.3         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00</td></td<></td>	Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result           Result         Reporting         Spike         Source           Result         Reporting         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           ND         0.0250         mg/kg         %         %           A61         0.0250         S00         92.7           7.37         8.00         92.7           4.61         0.0250         5.00         92.2           4.90         0.0250         5.00         98.8           509         0.0250         5.00         92.2           4.90         0.0250         5.00         101           15.2         0.0250         5.00         102           101         0.0500         10.0         101           7.44         8.00 <td< td=""><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limit mg/kg           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         seasult         Rec         Limits           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           A60         92.1         70-130           4.61         0.0250         5.00         98.8           ND         0.0250         5.00         98.8           A194         0.0250         5.00         98.8           5.09         0.0250         101         70-130           5.12         0.0250         5.00         93.0         70.130           5.13         0.0250         5.00         ND         81.3         54.133           4.50         0.0250         5.00         &lt;</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         ND         %</td><td>Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result         Rec         Rick         Res         RPD         Limits         RPD           Mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         %         %         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           4.61         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.51         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00         92.3         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00</td></td<>	Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source Result mg/kg         Rec         Limit mg/kg           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         seasult         Rec         Limits           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           ND         0.0250         seasult         70-130           A60         92.1         70-130           4.61         0.0250         5.00         98.8           ND         0.0250         5.00         98.8           A194         0.0250         5.00         98.8           5.09         0.0250         101         70-130           5.12         0.0250         5.00         93.0         70.130           5.13         0.0250         5.00         ND         81.3         54.133           4.50         0.0250         5.00         <	Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike         Source         Rec         Limits         RPD           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         ND         %	Project Number:         23007-0001           Project Manager:         Erick Herrera           Volatile Organics by EPA 8021B         Result         Rec         Rick         Res         RPD         Limits         RPD           Mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         %         %         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           ND         0.0250         ND         0.0250         Prepared:         08/28/23         A           4.61         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.51         0.0250         5.00         92.2         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00         92.3         70-130         Prepared:         08/28/23         A           4.52         0.0250         5.00



# **QC Summary Data**

		<b>X</b> U N		ary Date					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 1:42:24PM
	Noi	nhalogenated (	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\mathbf{x} \in \mathbf{v}$	••••••	ary Date	~				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 1:42:24PM
	Nonha	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335061-BLK1)							Prepared: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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:	V	West Eumont U	nit #417				Report	ed:
13000 W County RD 100		Project Number:	2	3007-0001						
Odessa TX, 79765		Project Manager	: E	Erick Herrera					9/1/2023 1:4	2:24PM
		Anions	by EPA	300.0/90564	4				Analyst: B	A
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Not	es
Blank (2335038-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 08/3	30/23
Chloride	ND	20.0								
LCS (2335038-BS1)							Prepared: 0	8/29/23 A	Analyzed: 08/3	30/23
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2335038-MS1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	Analyzed: 08/3	30/23
Chloride	419	20.0	250	162	103	80-120				
Matrix Spike Dup (2335038-MSD1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	Analyzed: 08/3	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.



Γ	Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
I	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	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.



Released to Imaging: 5/16/2024 7:51:19 AM

lient: Fc	rty Acres Ene					Bill To				la	ib Us	se Or	1 lv		Γ		T,	AT		EPA P	rogram
roject: V	Vest Eumont	Unit #417	;		Attention: Etech Environmental & Safety			lah				iber	10	2D	30	St	andard	CWA	SDWA		
	fanager: Erick				Address: 13000 W County Rd 100								1000		1	<b>—</b>	50	day TAT			
	13000 W Cou		0		City, State, Zip_Odessa, TX, 79765				Analysis and I				d						RCRA		
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ollected	by: Edyte Ko	nan				ident ID: nAPP2222156995		<b>1</b>	iş.	<b>2</b>	876	ğ	8			[	۲,				
Time Sampled	Date Sampled	Matrix	No of Contenen	Sample ID			Leb Numbe	Depth(ft.)	TPH GRD/DRO/ORO by BOIS	BTEX <b>5</b> , <b>5</b> 023	VOC 5y 8260	Metals 6010	Chioride		BGDOC		500			Remarks	
11:00	8/24/2023	s	1			РНОЗ	1	0.5							X						
11:10	8/24/2023	5	1			рноз	2	1'							X						
11:20	8/24/2023	s	1		PH04			0.5'							X						
11:30	8/24/2023	\$	1	PH04			4	1'							X						
11:40	8/24/2023	s	1	рно5		5	0.5'		-					X					·		
11:50	8/24/2023	5	1	PHOS		6	1'							X							
12:00	8/24/2023	s	1		PH06		7	0.5'							x						
12:10	8/24/2023	5	1			PH06	8	ľ							X						
						- trat-															
Addition	al Instruction	ns:																			
	pler), attest to the					at tampering with or intentionally misfabe Samuled by:	illing the sampla loc	ition,											i on los the day an 6 °C on tube		plied or
Relinguish	ed by: (Signature		Date		Time IS:00	Received by: (Signature) Michelle Gonzales				500		Rec	eived	l on ice:		ab Us		ιlγ			
	ed by: Islensture helle Gon		ue0 30	3-25-23	тын 1700	Calle Mar	8/28/	23	9	:5	5	n			12				тэ		
	ed by: (Signature		Det	•	Time	Received by: (Signature)	Date		Time			AVG	5 Ten	™°C_4	+						
Sample Matrix: S - Soli, Sd - Solid, Sg - Sudge, A - Aqueous, D - Other				AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, y - VOA																	

applicable only to those samples received by the laboratory with this COC. The Hability of the laboratory is limited to the amount paid for on the report.

# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	08/28/23	09:55	Work Order ID:	E308209
			08/28/23		Logged In By:	Caitlin Mars
Phone: Email:		ite Logged In: ie Date:		17:00 (4 day TAT)	Logged in By:	Calum Mars
<u>Chain o</u>	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	he 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 i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commer	nts/Resolution
Sample	Turn Around Time (TAT)					
-	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
_	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	es, were custody/security seals intact?		NA			
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes			
13. If no	minutes of sampling visible ice, record the temperature. Actual sample ten	nperature: <u>4°</u>	<u>°C</u>			
<u>Sample</u>	<u>Container</u>					
14. Are	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	e 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	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	<u>abel</u>					
	e field sample labels filled out with the minimum information	ation:	_			
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes No			
	Preservation		INO			
_	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ls?	No			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyzed	1?	NA			
	tract Laboratory		1 12 1			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	who?	No NA	Subcontract I ab. NIA		
∠7. WaS	a subcontract laboratory specified by the chefit and fi so	willO:	INA	Subcontract Lab: NA		

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



envirotech Inc.

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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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



#### 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	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 9	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

mite Sugar

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



#### 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	Analyze	d 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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

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



#### 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	Analyze	d 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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

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



#### **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

Mite Sugar

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

# 

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

celey.keene@cardinallahsnm_com	ges. Please email changes to	Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	+
			Sampler - UPS - Bus - Other: Corrected Temp. °C
Standard P Bacteria (only) Sa	CHECKED BY: Turnaround Time:	Temp. °C L.O Sample Condition Cool Infact	Delivered By: (Circle One) Observed Temp. °C
ŝ			Time:
	WIND HOW REMARKS.	Date: Received By:	Relinguished By: Date:
esult: Ves No Aco'l Phone #: ts are emailed Please provide Email address:	All Results are em	COLOR DE CELOR	; /
the applicable	e in writing and received by Cardinal within 30 days after completion of the interruptions, loss of use, or loss of profits incurred by client, its subsidiarie rsuch claim is based upon any of the above stated reasons or otherwise.	quental damages, including without limitation, business interruptions, loss o of services hereunder by Cardinal, regardless of whe, or such claim is bas	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of uses or loss of profits incurred by clarinal within 30 days after completion of the applicable antifiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whys, must be so of uses of loss of profits incurred by client, its subsidiaries, and the performance of services hereunder by Cardinal, regardless of whys, must be so of uses of profits incurred by client, its subsidiaries, and the performance of services hereunder by Cardinal, regardless of whys, must claim is based upon any of the above stated reasons or otherwise.
for the	rt, shall be limited to the amount paid by the client fo	sive remedy for any claim ansing whether based in contract or tor	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 these for populations and on other provide the client for the amount paid by the client for the
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	PRESERV. SAMPLING	MATRIX	FOR LAB USE ONLY
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	Phone #: 60% 420 8276		Project Location:
	State: Zip:	LW white Bat	Project Name: West Eumont Unit
	City:	Project Owner: HO Acces	Project #: 1/137550 Pro
			Phone #: 575 689 59 49 Fax #:
	10	State: NM Zip: 85920 A	City: Cest Is bud st
	Company: 40 Act Enter	SÉ,	Address: 4/526 W. Pieler
			Project Manager: True 15 Cusey
ANALVER DECLIERT	BILL TO		Company Name: Te Naclon
		75) 393-2476	(575) 393-2326 FAX (575) 393-2476

Received by OCD: 4/23/2024 10:06:04 AM

Page 91 of 193



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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### 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 BATTER	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.1	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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 BATTER	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.3	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### 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 BATTER	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.1	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

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

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

r 0°C I I I I I I I I I I I I I I I I I I I	Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	al cannot accept verbal chang	TTTTIZS † Cardina	FORM-000 R 3.4 0
Standard I	CHECKED BY: Turnaround Time: (Initials) Thermometer ID #1	4.5 Sample Con Cool Intac	Other: Corrected Temp. °C	Sampler - UPS - Bus - Other:
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	REMARKS:	Received By:	Date:	Relinquished By:
emailed. Plea	All Results are	· Manakar	(1) Time; 300	Ten 3
	ad upon any of the above stated reasons or otherwise.	y Cardina, "eqardless of whether such claim is based upon	Date:	Relinquished By:
	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 of fiftiate or survessore aciency of a for consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	be deemed waived unless made in writing and received and without limitation, business interruptions, loss of	integligence and any other cause whatsoever shall liable for incidental or consequental damages, include the second secon	ervice. In no event shall Cardinal be infiliates or successors arising out of out
	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	or any claim arising whether based in contract or tort,	es. Cardinal's liability and client's exclusive remedy for	PLEASE NOTE: Liability and Damage
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	State: Zip:	white Buttery	t Eumant unit Lw	Project Name: WCS+
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		Ac	95949 Fax #:	Phone #: 575 699
	Attn: Secones Nug Lines	M Zip: 44220 At	State: N	City: Corlsbad
	Company: 40 Acres	0	W. Divice St	Address: 4826
	P.O. #:	P.	runis lusury	
ANALYSIS REDUEST	BILL TO		withlow	1
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-OF-CUSTODY AND ANALYSIS REQUEST	CHAIN-O		boratories	

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Page 6 of 6

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# APPENDIX G

# **NMOCD** Notifications

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



### **Erick Herrera**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Thursday, August 17, 2023 9:22 AM
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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

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

Good morning,

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

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

vironmental & Safety Solutions, Inc.

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

# **APPENDIX H**

# **Original Submitted DRR**

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# **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 <sup>†</sup>
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

<sup>†</sup>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<sup>®</sup> chloride QuanTab<sup>®</sup> 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.

Ericht

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 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

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# **APPENDIX A**

# Figures

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# **APPENDIX B**

# **Referenced Well Records**

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE BOD NO	WELL NO			WELL THOUSAN			OFFERE	NOC	9			
7	OSE POD NO. POD-1	WELL NO	.)		WELL TAG ID NO 213A19	J.		OSE FILE CP-1975		<i></i>			
IO)					213/19								
GENERAL AND WELL LOCATION	WELL OWNER Clay Tom C		)					PHONE (0	OPTIC	DNAL)			
TT	WELL OWNER	R MAILING	G ADDRESS					CITY			STATE		ZIP
VEL	Box 6							Monume	ent		NM	88265	
<u>a</u>			DF	GREES	MINUTES	SECO	NDS						
A	WELL LOCATION	r I		32	31		9.6 <sub>N</sub>	* ACCUR	RACY	REQUIRED: ONE TENT	TH OF A S	SECOND	
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TIN	100	120	8.75		PVC			bell		5		sdr 21	0.020
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	46	94	48		Tan soft SandStone				Y	✓ N	
	94	101	7		Red clay				Y	✓ N	
	101	108	7		Course sand/gravel				Y	✓ N	
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RE	RECORD O	F THE ABC	VE DESCRIBED	WELL. I ALSO CERT	IFY THAT THE WELL TA	G, IF RI	EQUIRED, HA	S BEEN	J INSTA	LLED AN	VD THAT THIS
SIGNATURE	WELL KEU	JAL WILL	MERC DE LIFED	WITH THE LENVEL F	IOLDER WITHIN 30 DATS				OF WE.	LL DRILI	
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	CATION				100 110.	W/ET I	TAG ID NO.				PAGE 2 OF 2
1						WELL	TAU ID NU.				

# APPENDIX C

# Soil Sampling Logs

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									Sampla Nama: DH01	Date: 08/24/2023			
				-		•			Sample Name: PH01				
		-							Site Name: West Eumont Unit Incident Number: NAPP22221	-			
				_(					Job Number: 18340	00330			
					SAMP	INC	100	2	Logged By: EK	Method: Backhoe			
Site Co					SAIVIF		LUC	2	Hole Diameter: N/A	Total Depth: 6'			
					ed with H	ACHO	hlorid	- Test St		-			
	performed with 1:4 dilution factor of soil to distilled water. No corre								trips and PID for chloride and vapor, respectively. Chloride test ction factors included.				
Moisture Content	Moisture Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample ID Sample ID Cepth (feet bgs) USCS/Rock Symbol												
Dry	1,744	83.1	Vac	PH01	0.5		0	SW-SM	(0-4') SAND, dry, reddish bi	rown, well graded silt and gravel, some staining,			
	1,744	05.1	163	FINI	0.5	+			hydrocarbon odor.	Sin and graver, some staining,			
-	-	-	-	-	1		1		,				
Dry - Dry -	192 - 356 -	98.0 - 25.2 -	Yes - Yes -	- PH01 -	2		2 3 4 5		(4-6') SAND, dry, reddish bi fine to coarse grained, with odor.	rown, well graded silt and gravel no staining, no			
Dry	192	0.8	No	PH01	6		6						
$\square$	<u> </u>							Total D	lepth				

	_								Sample Name: DH02	Dete: 09/24/2022			
									Sample Name: PH02 Site Name: West Eumont Unit	Date: 08/24/2023			
		1							Incident Number: NAPP22221				
				_	<b>9</b> 1				Job Number: 18340	JU33J			
							G LOO	2	Logged By: EK	Method: Backhoe			
					SAIVIE		GLO	2	Hole Diameter: N/A	Total Depth: 6'			
	Site Coordinates: 32.5242, -103.34 Comments: Field screening conducted with HACH Chloride Test												
	performed with 1:4 dilution factor of soil to distilled water. No corre												
Moisture Content	Moisture Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample ID Sample Depth (feet bgs) USCS/Rock Symbol												
Dny	1 700	310.1	Voc		0.5		0	SW-SN	(0-4') SAND, dry, reddish br	own, well graded silt and gravel, some staining,			
Dry	1,700	310.1	res	PHUZ	0.5	+			hydrocarbon odor.	sin and graver, some staming,			
-	-	-	-	-			1						
Dry - Dry -	216 - 680 -	317.1 - 184.8 -	-	- PH02 -	2		2 3 4 5		(4-6') SAND, dry, reddish br fine to coarse grained, with odor.	own, well graded silt and gravel no staining, no			
Dry	<112	0.4	No	PH02	6		6						
	<u> </u>	5.1						Total D	)epth				

								Sample Name: PH03	Date: 08/24/2023			
	-				<b>N</b> I I	n i i		Site Name: West Eumont Unit				
								Incident Number: NAPP22221	-			
				_	<b>J</b> I I			Job Number: 18340				
		)  <u>O</u> CI	<u>c / </u>	SOIL	SAMPLI	NGLOG	}	Logged By: EK	Method: Hand Auger			
	ordinate							Hole Diameter: 4" Total Depth: 1'				
					ed with HA	CH Chloride	e Test S	Strips and PID for chloride and va	-			
								ction factors included.				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		Lithologic Descriptions/Notes					
Dry	180	0.3	No	PH03	0.5	0	SP	(0-1') SAND, dry, light brown very fine to fine grained, no				
Dry	100	0.5	NU	FIIUS	0.5 _	-			staining no odor.			
Dry	180	0.0	No	PH03	1 _	1						
							TUIAI	Depth				
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ETEAL	Sample Name: PH04 Date: 08/24/2023				
	Sample Name: West Eumont Unit LW White 2 Battery				
VIECH	Incident Number: NAPP2222156995				
	Job Number: 18340				
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK Method: Hand Auger				
Site Coordinates: 32.5242, -103.34	Logged By: EK Method: Hand Auger   Hole Diameter: 4" Total Depth: 1'				
Comments: Field screening conducted with HACH Chloride Test S					
performed with 1:4 dilution factor of soil to distilled water. No corre	ection factors included.				
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) USCS/Rock Symbol					
DT: (112 0.0 No DU04 0.5 0 SP	(0-1') SAND, dry, light brown, poorly graded,				
Dry <112 0.0 No PH04 0.5	very fine to fine grained, no staining no odor.				
Dry <112 0.0 No PH04 1 1					
Total	Depth				

		Sample Name: PH05	Date: 08/24/2023			
		Site Name: West Eumont Unit				
✓ I ⊢C H		Incident Number: NAPP222215				
		Job Number: 18340				
LITHOLOGIC / SOIL SAMPLING LOC	<b>`</b>	Logged By: EK	Method: Hand Auger			
Site Coordinates: 32.5242, -103.34		Hole Diameter: 4" Total Depth: 1'				
Comments: Field screening conducted with HACH Chlorid			-			
performed with 1:4 dilution factor of soil to distilled water.	No correc	tion factors included.				
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) (feet bgs)	USCS/Rock Symbol		scriptions/Notes			
		(0-1') SAND, dry, light brown				
Dry <112 0.0 No PH05 0.5		very fine to fine grained, no	staining no odor.			
Dry <112 0.0 No PH05 1 1						
	Total D	epth				

ETEAL	Sample Name: PH06 Date: 08/24/2023				
	Site Name: West Eumont Unit LW White 2 Battery				
TECH	Incident Number: NAPP2222156995				
	Job Number: 18340				
LITHOLOGIC / SOIL SAMPLING LOG					
Site Coordinates: 32.5242, -103.34	Hole Diameter: 4" Total Depth: 1'				
	Test Strips and PID for chloride and vapor, respectively. Chloride	de test			
performed with 1:4 dilution factor of soil to distilled water. No					
	Lithologic Descriptions/Notes				
Dry <112 1.0 No PH06 0.5	SP (0-1') SAND, dry, light brown, poorly graded, very fine to fine grained, no staining no odor.				
Dry <112 0.0 No PH06 1 1					
T T	Total Depth				

# APPENDIX D

# Photographic Log

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





Photograph 1Date: 08/07/2023Description: Northeastern view duringSiteassessment acivities.

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



Photograph 2Date: 08/24/2023Description: Southeastern view of delineation<br/>activities.



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



Photograph 4Date: 08/24/2023Description: Northwestern view of delineation<br/>activities.

# APPENDIX E

# Tables

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



eTEC	СН			SOIL S West						
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 Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation Se	oil Samples - Incident	Number NAPP2222156	995			
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:

Justes. bgs: below ground surface mg/kg: milligrams per kilogram BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics DRO: Diesel Range Organics DRO: Di Range Organics DRO: Di Range Organics TPH: Total Petroleum Hydrocarbon NMOCD: 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







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

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

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

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

		Sample Sum	mai y		
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Keporteu.
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.



	50	ampie D	ala			
Forty Acres Energy, LLC	Project Name:		t Eumont Unit #41 07-0001	7		Reported:
13000 W County RD 100 Odessa TX, 79765	Project Numbe Project Manag		k Herrera	9/1/2023 3:47:55PM		
	i iojeet inimiag					
		PH01 0.5'				
		E308214-01				
		Reporting				
Analyte	Result	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	
oluene	0.0308	0.0250	1	08/28/23	08/30/23	
-Xylene	0.750	0.0250	1	08/28/23	08/30/23	
o,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	
urrogate: 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	
Dil 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



## Sample Data

		ampic D	ata			
Forty Acres Energy, LLC	Project Name:	: Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	er: 2300	07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera		9/1/2023 3:47:55PM	
		PH01 4'				
		E308214-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
urrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: 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	Analys	:: KM		Batch: 2335067
Diesel Range Organics (C10-C28)	168	25.0	1	08/30/23	08/31/23	
Dil 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	Analys	t: BA		Batch: 2335038
Chloride	841	20.0	1	08/29/23	08/30/23	



## Sample Data

	~					
Forty Acres Energy, LLC	Project Name	e: Wes	t Eumont Unit #41	7		
13000 W County RD 100	Project Numl	ber: 230	07-0001			Reported:
Odessa TX, 79765	Project Mana	iger: Eric	k Herrera		9/1/2023 3:47:55PM	
		PH02 0.5'				
		E308214-03				
		Reporting				
Analyte	Result	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	
o,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	e: Wes	t Eumont Unit #41	7		
13000 W County RD 100	Project Numb	per: 230	07-0001			Reported:
Odessa TX, 79765	Project Mana	iger: Eric	k Herrera		9/1/2023 3:47:55PM	
		PH02 4'				
		E308214-04				
		Reporting				
Analyte	Result	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	
Foluene	0.0840	0.0250	1	08/28/23	08/31/23	
p-Xylene	0.296	0.0250	1	08/28/23	08/31/23	
o,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 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	/est Eumont U 8007-0001 rick Herrera	nit #417				<b>Reported:</b> 9/1/2023 3:47:55PM
		Volatile O	rganics b	oy EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 08/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Gurrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			
LCS (2335027-BS1)							Prepared: 0	8/28/23 A	nalyzed: 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			
-Xylene	5.09	0.0250	5.00		102	70-130			
,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: 0	8/28/23 A	nalyzed: 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			
oluene	4.35	0.0250	5.00	ND	87.0	61-130			
-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
,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			
urrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			
Matrix Spike Dup (2335027-MSD1)				Source:	E308209-	02	Prepared: 0	8/28/23 A	nalyzed: 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	
oluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
	0.10	0.0500	10.0	ND	91.8	63-131	2.79	20	
,m-Xylene	9.18	0.0500	10.0	ND	91.0	03-131	2.19	20	



## **QC Summary Data**

		$\chi \cup \lambda$		ary Date	~				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 3:47:55PM
	Noi	nhalogenated (	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Date	-				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		West Eumont U 23007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	F	Erick Herrera					9/1/2023 3:47:55PM
	Nonha	alogenated Org	anics by	7 <b>EPA 8015</b>	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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**

				J					
Forty Acres Energy, LLC		Project Name:	Y	West Eumont U	nit #417				Reported:
13000 W County RD 100		Project Number:	2	23007-0001					
Odessa TX, 79765		Project Manager	: 1	Erick Herrera					9/1/2023 3:47:55PM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335038-BLK1)							Prepared: 0	8/29/23 A	analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)							Prepared: 0	8/29/23 A	analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				Source:	E308134-(	01	Prepared: 0	8/29/23 A	analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	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.



Γ	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
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Released to Imaging: 5/16/2024 7:51:19 AM

#### **Chain of Custody**

Client: Fo	orty Acres Ene			<u> </u>		Bill To		1		La	b U	e On	v				T/	AT		EPA P	rogram
Project:	West Eumont	Unit #41	,			ttention: Etech Environmental & Safety	Solutions Inc.	Itab	wa				lumber		1D	2D	3D	St	andard	CWA	SDWA
Project N	Aanager: Erict	Herrera				ddress: 13000 W County Rd 100	Junamonta, Inc.	ĨF.ª	Lab WO# Job Number E308214 230070001			1		1		50	day TAT		Γ		
Address:	13000 W Cou	inty Rd 16	20			ity, State, Zip_Odessa,TX, 79765	· · · · · · · · · · · · · · · · · · ·	1			•		is and Me						r -		RCRA
	e, Zip_Odess					hone: (432)563-2200		<u>+</u>	3		<b></b>	r í				Γ	ľ	ſ	1		
	281)777-4152					mail:		1	12			1 1						ŀ	·	State	
	ick@etechen		enh@at	acheau co	변	/O: N/A		1	8			1			5	1			NM CO	UT AZ	XT
	by: Edyte Ko		sepneer	eurenv.co				- I	ĕ	8	1	2	200.0		Ŵ		Ă				
Time		11611	r	1	<u> </u>	cident ID: nAPP2222156995	Lab Number	ÌĘ́.	S.	ã	a l	3	ŝ		8		ιų I	t			
Sampled	Date Sampled	Materia	Nex. of Containers	Sample ID			Cab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 5021	VOC 5, 8260	Metals 6010	Chartes		96000	<u> </u>	ğ		ļ	Remarks	, . <u></u> . <u></u> ,
10:00	8/24/2023	5	1			PHOI	1	0.5'							X					<u></u>	
10:10	8/24/2023	s	1			PHO1	2	4'							X					-	
10:30	8/24/2023	5	1			PHO2	3	0.5'							X						
10:40	8/24/2023	s	1			РН02	4	4'							X		ŀ				
							1		<u> </u>						X	-					
						1000															
						V															_
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Addition	al Instruction	ns:						<b>-</b>					•••	1		<b></b>		<u> </u>	•		
	pier), attest to the e of collection is co			-		that tampering with or intentionally mislabelling Semoled by:	g the sample locatio	n,					requiring them packed in Ice (	-						-	pliet or
Relinquish	ed by: ISignatur	<b>b</b> }	Deu CS	25123	Rms 15500	Received by: (Signature) Michelle Gonzales	Date 08-25-23	3	тыле 15	500		Rece	ived on ici	e:		10 Us		ły			
Relinquist	chelle Gor	nzale.s	Dati OS	3-25-23	™ 1700	Recorded by: Beneture	8/28/2	?3	Ţ.	'5'	5	11			ت 12				тз		
	ved by: (Signatur		Det	•	Rme	Received by: (Signature)	Daile		Time			AVG	Temp °C_	-4	L				-9-7		
Sample Ma	tria: S - Soil, Sd - Se	and See - Shud	ge, A - Aque	ovs. 0 · Other	·	······································	Container Typ	)0: E -	elass	. D - D	vio			a dia	NCT.	· · VO	Δ				
						er arrangements are made. Hazardous sa	mples will be retu	irned t	to cile	nt or d	lispos	ed of a	t the client	expe	nse.	The r	eport	for th	e enalysis o	if the abov	e samples la

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 Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	ate Received:	08/28/23	09:55		Work Order ID:	E308214
Phone:	(281) 777-4152 Da	te Logged In:	08/28/23	10:20		Logged In By:	Caitlin Mars
Email:		ie Date:	09/01/23	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		<u>currer</u>		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			<u>Comme</u> r	nts/Resolution
Sample	Turn Around Time (TAT)						
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	Cooler_						
_	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
•	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are rec		Yes				
	minutes of sampling						
13. If no	visible ice, record the temperature. Actual sample tem	nperature: <u>4°</u>	<u>'C</u>				
Sample	<u>Container</u>						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes				
Field La							
	e field sample labels filled out with the minimum inform	ation:					
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation		140				
_	s the COC or field labels indicate the samples were prese	rved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved meta	ls?	No				
Multiph	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	es, does the COC specify which phase(s) is to be analyzed		NA				
-			1 12 1				
SUDCON	tract Laboratory		NT.				
10 4	$a_{a}$ member mean include to get some $t =1 t t t t t t$						
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab	. NT A		

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



envirotech Inc.





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

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

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

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 Sum	mary		
Forty Acres Energy, LLC		Project Name:	West Eumont Unit #417 23007-0001		Reported:
13000 W County RD 100		Project Number:			
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.


	D	ampic D	utu			
Forty Acres Energy, LLC 13000 W County RD 100 Odecce TV, 70765	Project Name Project Numb	ber: 2300	t Eumont Un 07-0001 k Herrera	it #417		<b>Reported:</b> 9/1/2023 3:46:55PM
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/1/2023 5:40:55PM
		PH01 6'				
		E308211-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	.nalyst: 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	
oluene	ND	0.0250	1	08/28/23	08/30/23	
-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
urrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	.nalyst: IY		Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-F1D		85.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	.nalyst: KM		Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Dil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
urrogate: n-Nonane		94.8 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: BA		Batch: 2335039
Chloride	107	20.0	1	08/29/23	08/31/23	



# **QC Summary Data**

Forty Acres Energy, LLC		Project Nome:	w	est Eumont U	nit #417				
13000 W County RD 100		Project Name: Project Number:		est Eumont 0 3007-0001	111t # <del>**</del> 1 /				Reported:
•		•							
Odessa TX, 79765		Project Manager:	Eı	rick Herrera					9/1/2023 3:46:55PM
		Volatile O	rganics <b>k</b>	oy EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source	D	Rec	DDD	RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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			
p-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: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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**

		QU N	umm	ary Date	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	Erick Herrera					9/1/2023 3:46:55PM
	Noi	nhalogenated (	Organics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		QU N	u	ary Date					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		West Eumont U 23007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:		Erick Herrera					9/1/2023 3:46:55PM
	Nonh	alogenated Org	anics by	y EPA 8015E	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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: 0	8/30/23 A	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**

		•		v					
Forty Acres Energy, LLC		Project Name:	W	est Eumont U	nit #417				Reported:
13000 W County RD 100		Project Number:	23	3007-0001					•
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 3:46:55PM
		Anions	by EPA 3	800.0/9056A	A				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335039-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-0	1	Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-0	1	Prepared: 0	8/29/23 A	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.



ſ	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

- 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
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#### **Chain of Custody**

Clinet: Fr						Bill To			r			h Us	e On	.lv	<u> </u>				T/	AT		EPA P	rogram
	orty Acres Ene West Eumont							<u> </u>	1-6.1	WON		_	_	Num	ber		10	2D	3D		andard	CWA	SDWA
					4	Attention: Etech Environmental & Safe Address: 13000 W County Rd 100	ly Soluti	ons, Inc.	E3	wun En C	211				$\infty$						day TAT		
	Aanager: Erick					Coress: 13000 w County Rd 100			드그	ЯЛĘ	للجك		Analy	sis ar	nd Me	thod			<b></b>				RCRA
	13000 W Cou	-		•	_					5	r ·	<u> </u>	1		r T	<u> </u>		<u> </u>	r		1		1
	e, Zip_Odessa		5			2hone: (432)563-2200			4	ĝ						1					<b></b>	State	
	281)777-4152			··· —		mail:		<u> </u>		Ş.							-			]	NM CO	UT AZ	TX
	ick@etechem		eph@et	echenv.co		NO: N/A				No.	8	3	2	300.0			WN		¥.	ł –		┟╼╌┠━╍	1-1-
Collecter	by: Edyte Ko	han			1	ncident ID: nAPP2222156995	- <u>1</u>		£	Q.	2	12	3	3			X		0		┟──┸───		┶──
Time Sampled	Data Sampled	Matrix	has of Comment	Sample I	>		Lab	Number	Depth(h.)	TPH GRO/DRD/ORD by 8015	BTEX by 8023	VOC by \$250	Metals 6010	Chloride (			BGDOC		90 <u>0</u>		<u> </u>	Remarks	۶ 
10:20	8/24/2023	s	1			PH01			6'								X						
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Addition	al Instruction	1 AS:	1						·		·	•	•	•									
	pler), attest to the e of collection is co					that tampering with or intentionally mislabel Sempled by:	ing the s	mple locat	lon,			~ <u>~</u>									d an ice the de un 6 °C an sub		
	e or collection is to led by: (Signature		Out		Nome 15;00	Roceived by: (Signature) Michelle Gonzales	Oate 0	 8-25-2	3	<sup>11</sup> /1	500	)	Rec	eived	d on ic	:e:		ab U ab ( t	sa Or K	nly	<u>.</u>		
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Sample Ma	1rix: \$ - 5oil, 5d - 54	004, Sg - Skud	te, A - Aqu	ious, U · Othe	·	er arrangements are made. Hazardous														at fine	the anabel	of the sh	

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 Analytical Laboratory**

## Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	08/28/23	)9:55	Work Order ID	: E308211
Phone:	(281) 777-4152 Da	te Logged In:	08/28/23	10:17	Logged In By:	Caitlin Mars
Email:		e Date:	09/01/23	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match t	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Couri	er	
4. Was tł	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comme	ents/Resolution
<u>Sample '</u>	<u>Turn Around Time (TAT)</u>					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	Cooler_					
_	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tł	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample tem	$\mathbf{n}$ erature: $A^{0}$	C			
	Container	iperature. <u>1</u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
TO TO THE	· · · · · ·		NI A			
	a trip blank (1B) included for VUC analyses?		NA			
17. Was a	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Yes			
17. Was a 18. Are r	non-VOC samples collected in the correct containers?	collected?	NA Yes Yes			
17. Was a 18. Are r 19. Is the	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers	collected?	Yes			
17. Was : 18. Are r 19. Is the <u>Field La</u>	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers		Yes			
<ol> <li>17. Was a</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel		Yes			
17. Was a 18. Are r 19. Is the Field La 20. Were S	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected?		Yes Yes			
17. Was a 18. Are r 19. Is the Field La 20. Were S I C	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?		Yes Yes Yes			
17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample J	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers ibel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes No			
17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 1 21. Does	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were preservation	ation:	Yes Yes Yes No No			
17. Was a 18. Are r 19. Is the Field La 20. Were S [] C Sample 1 21. Does 22. Are s	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation 5 the COC or field labels indicate the samples were presense sample(s) correctly preserved?	ation: rved?	Yes Yes Yes No No NA			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S <b>Sample</b> 1 21. Does 22. Are s 24. Is lab	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers <b>ibel</b> e field sample labels filled out with the minimum informat Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were preserved sample(s) correctly preserved? o filteration required and/or requested for dissolved metal	ation: rved?	Yes Yes Yes No No			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S I C Sample 1 21. Does 22. Are s 24. Is lab Multipha	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers ibel e field sample labels filled out with the minimum informat Sample ID? Date/Time Collected? Collectors name? Preservation is the COC or field labels indicate the samples were preserved sample(s) correctly preserved? to filteration required and/or requested for dissolved metain ase Sample Matrix	ation: rved?	Yes Yes Yes No No NA No			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multiphi 26. Does	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers ibel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were present sample(s) correctly preserved? of filteration required and/or requested for dissolved metal ase Sample Matrix is the sample have more than one phase, i.e., multiphase?	ation: rved? ls?	Yes Yes Yes No No NA No			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S <b>Sample 1</b> 21. Does 22. Are s 24. Is lab <b>Multiph</b> 26. Does 27. If yes	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum informat Sample ID? Date/Time Collected? Collectors name? Preservation 5 the COC or field labels indicate the samples were presense sample(s) correctly preserved? 5 filteration required and/or requested for dissolved metal ase Sample Matrix 5 the sample have more than one phase, i.e., multiphase? 5, does the COC specify which phase(s) is to be analyzed	ation: rved? ls?	Yes Yes Yes No No NA No			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multipha 26. Does 27. If yes	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum informat Sample ID? Date/Time Collected? Collectors name? Preservation 5 the COC or field labels indicate the samples were presenses sample(s) correctly preserved? 5 of filteration required and/or requested for dissolved metal ase Sample Matrix 5 the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed tract Laboratory	ation: rved? ls?	Yes Yes Yes No NA No No NA			
17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multipha 26. Does 27. If yes Subcont 28. Are s	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum informat Sample ID? Date/Time Collected? Collectors name? Preservation 5 the COC or field labels indicate the samples were presense sample(s) correctly preserved? 5 filteration required and/or requested for dissolved metal ase Sample Matrix 5 the sample have more than one phase, i.e., multiphase? 5, does the COC specify which phase(s) is to be analyzed	ation: rved? ls? l?	Yes Yes Yes No No NA No	Subcontract Lab: N4		

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



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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

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

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

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 Sum	mary		Ŭ
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Keporteu:
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.



	5	ample D	ata			
Forty Acres Energy, LLC	Project Name:	: Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	er: 230	07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 3:50:56PM
		PH02 6'				
		E308212-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335039
Chloride	68.3	20.0	1	08/29/23	08/31/23	

# **QC Summary Data**

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	est Eumont U 3007-0001 rick Herrera	nit #417				<b>Reported:</b> 9/1/2023 3:50:56PM
		Volatile Or	rganics <b>k</b>	oy EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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			
p-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: 0	8/28/23 A	nalyzed: 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**

		QU D		ary Duu	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont Ui 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	Ε	rick Herrera					9/1/2023 3:50:56PM
	Noi	nhalogenated O	rganics	by EPA 801	1 <b>5D - G</b> 1	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\chi \cup \lambda$	~	ary Date					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 3:50:56PM
	Nonha	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335067-BLK1)							Prepared: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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**

		<b>C</b>							
Forty Acres Energy, LLC		Project Name:	v	Vest Eumont U	nit #417				Reported:
13000 W County RD 100		Project Number:	2	3007-0001					
Odessa TX, 79765		Project Manager	: Е	rick Herrera					9/1/2023 3:50:56PM
		Anions	by EPA	<b>300.0/9056</b> A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335039-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-0	)1	Prepared: 0	8/29/23 A	Analyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-0	)1	Prepared: 0	8/29/23 A	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.



Γ	Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	
I	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	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

Page 11 of 12

	orty Acres Eri		· •		<u>.</u>	Bill To			r	<u> </u>	 La	b U	se Or	lv.		Т		Ť,	ÄT		EPA P	rogram
	West Eumont						- Calu		1.25	WOR				Num	ber	110	20	30	St	andard	CWA	SDWA
	Manager: Eric					ttention: Etech Environmental & Safe ddress: 13000 W County Rd 100		4(15) (RC.	╏╔╻╴	SO	21	7			1-000		1	1	5	day TAT		
	13000 W Cou					ity, State, Zip_Odessa,TX, 79765			┟╘╾	<u></u>	<u>) – P</u>				nd Metho							RCRA
	e, Zip_Odess					hone: (432)563-2200		· · · · · · · · · · · · · · · · · · ·		3	1	r	T I			T	Т	1		1		
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Time Sempled	Date Sampled	Matros	teo of Contement	Sample II	<b>)</b>	·. ·			Depth(ft.)	TPH GRO/DRD/CRO In 8015	BTEK by	VOC by 8260	Metals 6010	Chionde 300.0		BGDOC B	$\perp$	ğ		ļ	Remarks	
10:50	8/24/2023	s	1			PH02		l	6'							X						
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Semple Matr	= S - Sall, Sd - Sali	d, Sg - Slude	a, A - Aques	us, O - Other								poly,	/plast	ic, eg	- amber	glass						
Note, Samo	les are discarded	1 30 days a	fter results	are reports	d unless other	r arrangements are made. Hazardous s	amples v	dil be ret	urned	to cli	ent or	dispo	sed o	at th	e client ei	pense	e. The	нероз	rt for	the analysis	; of the abo	ve sampler
ipplicable c	nly to those sen	pies recen	ed by the	laboratory	with this COC.	The kability of the laboratory is limited i	to the er	nount pel	d for	on the	e repo	rt,							_			

Page 163 of 193 envirotech

## **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	ate Received:	08/28/23 0	9:55		Work Order ID:	E308212
Phone:	(281) 777-4152 Da	ate Logged In:	08/28/23 1	0:18		Logged In By:	Caitlin Mars
Email:		ue Date:	09/01/23 1	7:00 (4 day TAT)			
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	-			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commer	nts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
_	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
•	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes				
	minutes of sampling						
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>'C</u>				
Sample (	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 r	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample containers	s collected?	Yes				
Field La	<u>ibel</u>						
	e field sample labels filled out with the minimum inform	ation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes No				
	Preservation		INO				
	s the COC or field labels indicate the samples were prese	erved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved meta	als?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyze		NA				
	tract Laboratory		1 123				
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so			Subcontract La	h· NA		
				Sacconnact La	··· · · · · · · ·		

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



envirotech Inc.

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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

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

**Released to Imaging: 5/16/2024 7:51:19 AM** 

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

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



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## **Sample Summary**

		Sampic Sum	illai y		
Forty Acres Energy, LLC		Project Name:	West Eumont Unit	#417	Reported:
13000 W County RD 100		Project Number:	23007-0001		Reporteu.
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.



	5	ampie D	ala			
Forty Acres Energy, LLC	Project Name:	: Wes	t Eumont Unit #4	117		
13000 W County RD 100	Project Numb		07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/1/2023 1:42:24PM
		PH03 0.5'				
		E308209-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	Analy	st: 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	Analy	st: 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	Analy	st: BA		Batch: 2335038
Chloride	115	20.0	1	08/29/23	08/30/23	



		L					
Forty Acres Energy, LLC	Project Name	e: Wes	t Eumont Unit #4	17			
13000 W County RD 100	Project Num	ber: 230	07-0001			Reported:	
Odessa TX, 79765	Project Mana	ager: Eric	k Herrera			9/1/2023 1:42:24PM	
		PH03 1'					
		E308209-02					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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		
p-Xylene	ND	0.0250	1	08/28/23	08/30/23		
o,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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038	
Chloride	115	20.0	1	08/29/23	08/30/23		



	5	ampie D	ala			
Forty Acres Energy, LLC	Project Name:	Wes	t Eumont Unit #			
13000 W County RD 100	Project Numb	er: 230	07-0001	Reported:		
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera		9/1/2023 1:42:24PM	
		PH04 0.5'				
		E308209-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Foluene	ND	0.0250	1	08/28/23	08/30/23	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	Anal	lyst: 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	Anal	lyst: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Anal	lyst: BA		Batch: 2335038
Chloride	21.2	20.0	1	08/29/23	08/30/23	



	5	ample D	ala			
Forty Acres Energy, LLC	Project Name	e: Wes	t Eumont Unit #4	17		
13000 W County RD 100	Project Numb	per: 230	07-0001	Reported:		
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera		9/1/2023 1:42:24PM	
		PH04 1'				
		E308209-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	Analys	t: 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	Analys	Analyst: JL		
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Analys	t: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



	5	ampic D	ala			
Forty Acres Energy, LLC 13000 W County RD 100	Project Name Project Numb		t Eumont Unit #4 07-0001	<b>Reported:</b> 9/1/2023 1:42:24PM		
Odessa TX, 79765	Project Manag		k Herrera			
		PH05 0.5'				
		E308209-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		
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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal 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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	26.6	20.0	1	08/29/23	08/30/23	



	~	ampie D				
Forty Acres Energy, LLC	Project Name					
13000 W County RD 100	Project Numb	ber: 2300	07-0001			Reported:
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera	9/1/2023 1:42:24PM		
		PH05 1'				
		E308209-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,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	Analys	:: 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	Analys	:: 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	Analys	:: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



	5	ampic D	ala			
Forty Acres Energy, LLC 13000 W County RD 100	Project Name Project Numb		t Eumont Unit #4 07-0001	17		Reported:
Odessa TX, 79765	Project Manag		k Herrera	9/1/2023 1:42:24PM		
		PH06 0.5'				
		E308209-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Fotal Xylenes	ND	0.0250	1	08/28/23	08/30/23	
urrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: 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	Analys	:: JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23	
Dil 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	Analys	:: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



		<b>I</b>				
Forty Acres Energy, LLC	Project Nam					
13000 W County RD 100	Project Num	ber: 230	07-0001			Reported:
Odessa TX, 79765	Project Mana	ager: Eric	k Herrera	9/1/2023 1:42:24PM		
		PH06 1'				
		E308209-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	08/28/23	08/30/23	
o,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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



# **QC Summary Data**

		QU DI		ary Dat	~				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Vest Eumont U 3007-0001 Crick Herrera	nit #417				<b>Reported:</b> 9/1/2023 1:42:24PM
		Volatile O	by EPA 802	21B				Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)		8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	nalyzed: 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	



# **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$		ary Date	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont Un 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	Frick Herrera					9/1/2023 1:42:24PM
	No	nhalogenated O	rganics	by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 A	nalyzed: 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: 0	8/28/23 A	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: 0	8/28/23 A	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: 0	8/28/23 A	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**

		$\chi \cup \lambda$		ary Date	~				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Vest Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/1/2023 1:42:24PM
	Nonha	alogenated Org	anics by	EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335061-BLK1)							Prepared: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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: 0	8/30/23 A	nalyzed: 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**

			-	J						
Forty Acres Energy, LLC		Project Name:	,	West Eumont Unit #417					Repo	orted:
13000 W County RD 100		Project Number:		23007-0001						
Odessa TX, 79765		Project Manager	: 1	Erick Herrera					9/1/2023	1:42:24PM
		Anions	by EPA	300.0/9056	4				Analyst	BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	1	Notes
Blank (2335038-BLK1)							Prepared: 0	8/29/23 A	Analyzed: 0	8/30/23
Chloride	ND	20.0								
LCS (2335038-BS1)							Prepared: 0	8/29/23 A	Analyzed: 0	8/30/23
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2335038-MS1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	Analyzed: 0	8/30/23
Chloride	419	20.0	250	162	103	80-120				
Matrix Spike Dup (2335038-MSD1)				Source:	E308134-	01	Prepared: 0	8/29/23 A	Analyzed: 0	8/30/23
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.


Γ	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

- 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.



Released to Imaging: 5/16/2024 7:51:19 AM

Client: Forty Acres Energy, LLC.			Bill To				la	ib Us	se Or	1 lv		Γ		T,	AT		EPA P	rogram			
Project: West Eumont Unit #417							Lab WO# Job Number			10	2D	30	St	andard	CWA	SDWA					
Project Manager: Erick Herrera				dress: 13000 W County Rd 10			308		19			1000		1	<b>—</b>	50	day TAT				
	13000 W Cou		0			y, State, Zip_Odessa,TX, 7976			~~~	تعكبا		Analysis and Method			d						RCRA
	e, Zip_Odessa					one: (432)563-2200		-	٦						Т	T	Ţ				L
	281)777-4152				<u> </u>	hall:		1	i i i i i i i i i i i i i i i i i i i								ł			State	
mail: eri	ick@etechenv	.com, jos	eph@et	echenv.com		0: N/A		1	ŏ				2		ž	[	٦.		NM CO	UT AZ	TX
ollected	by: Edyte Ko	nan				ident ID: nAPP2222156995		<b>1</b>	iş.	<b>2</b>	876	ğ	8			[	۲,				
Time Sampled	Date Sampled	Matrix	No of Contenen	Sample ID			Leb Numbe	Depth(ft.)	TPH GRD/DRO/ORO by BOIS	BTEX <b>5</b> , <b>5</b> 023	VOC 5y 8260	Metals 6010	Chioride		BGDOC		500			Remarks	
11:00	8/24/2023	s	1			РНОЗ	1	0.5							X						
11:10	8/24/2023	5	1			рноз	2	1'							X						
11:20	8/24/2023	s	1			РН04	3	0.5'							X						
11:30	8/24/2023	\$	1			PH04	4	1'							X						
11:40	8/24/2023	s	1			PH05	5	0.5'		-					X					·	
11:50	8/24/2023	5	1			PHOS	6	1'							X						
12:00	8/24/2023	s	1			PH06	7	0.5'							x						
12:10	8/24/2023	5	1			PH06	8	ľ							X						
						- trat-															
Addition	al Instruction	ns:																			
	pler), attest to the					at tampering with or intentionally misfabe Samuled by:	illing the sampla loc	ition,											i on los the day an 6 °C on tube		plied or
Relinquished by: (Signature) Date Time			Time IS:00	Received by: (Signature) Michelle Gonzales		23 1500			Received on ice:		Lab Use Only										
	ed by: Islensture helle Gon		ue0 30	3-25-23	тын 1700	Calle Mar	8/28/	23			5	·] <sub>n</sub>		С <sup>1</sup> 12 ТЭ							
	ed by: (Signature		Det	•	Time	Received by: (Signature)	Date		Time			AVG	5 Ten	np°c_4	+						
				ous, 0 - Other	L		Container	MOOT	a glar	c	_		_	<u> </u>			24		··· -		

applicable only to those samples received by the laboratory with this COC. The Hability of the laboratory is limited to the amount paid for on the report.

Page 1 of 1

envirotech

### **Envirotech Analytical Laboratory**

### Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	08/28/23	09:55		Work Order ID:	E308209
Phone:	(281) 777-4152 Da	te Logged In:	08/28/23			Logged In By:	Caitlin Mars
Email:		e Date:		17:00 (4 day TAT)			
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match t	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes			Commen	ts/Resolution
Sample '	Turn Around Time (TAT)						
	e 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 th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample tem	perature: <u>4°</u>	<u>C</u>				
Sample	<u>Container</u>	·					
	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 r	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La	bel						
20. Were	e field sample labels filled out with the minimum information	ation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes				
-	Preservation		No				
	reservation the COC or field labels indicate the samples were prese	rved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved meta	ls?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed	1?	NA				
-			11/1				
	ract Laboratory		ът.				
	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so	who?	No Na	Colored (T. 1			
∠≯. was i	a subcomfract laboratory specified by the chent and if so	wil0?	NA	Subcontract Lab	): INA		

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



envirotech Inc.

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# APPENDIX G

# **NMOCD** Notifications

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



### **Erick Herrera**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Thursday, August 17, 2023 9:22 AM
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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

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

Good morning,

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

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

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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

vironmental & Safety Solutions, Inc.

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

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

QUESTIONS

Action 334875

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

QUESTIONS

# QUESTIONS

Frerequisites					
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 the environment	or No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Cause: Equipment Failure | Production Tank | Crude Oil | Released: 32 BBL | Recovered: 30 Crude Oil Released (bbls) Details 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 Forty Acres Energy requests that the assessments and soil sampling done for incident no.: Other, Specify, Unknown, and/or Fire, or any negative lost amounts) NAPP2222156995 be applied to Incident No. nAPP2234725189.

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

QUESTIONS, Page 2

Action 334875

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**QUESTIONS** (continued)

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	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 s	afety hazard that would result in injury.				
The source of the release has been stopped	True				
The impacted area has been secured to protect human health and the environment	True				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	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.				
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com				

Date: 04/23/2024

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

**QUESTIONS** (continued)

Operator: 0	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY /	Action Number:
HOUSTON, TX 77079173	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	s 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	on plan approval with this submission	Yes
Attach a comprehensive report	demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vert	ical extents of contamination been fully delineated	Yes
Was this release entirely	contained within a lined containment area	No
Soil Contamination Sampli	ing: (Provide the highest observable value for each, in m	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI 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
	1 NMAC unless the site characterization report includes complete timelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date	will the remediation commence	
On what date will (or did	) the final sampling or liner inspection occur	
On what date will (or was	s) the remediation complete(d)	
What is the estimated su	rface area (in square feet) that will be reclaimed	0
What is the estimated vo	lume (in cubic yards) that will be reclaimed	0
What is the estimated su	rface area (in square feet) that will be remediated	1350
What is the estimated vo	lume (in cubic yards) that will be remediated	200
These estimated dates and mea	asurements are recognized to be the best guess or calculation at th	ne time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propo	osed remediation measures may have to be minimally adjusted in a	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

QUESTIONS, Page 3

Action 334875

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

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

QUESTIONS, Page 4

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Action 334875

QUESTIONS (continued)		
Operator:	OGRID:	
FORTY ACRES ENERGY, LLC	371416	
11757 KATY FWY	Action Number:	
HOUSTON, TX 77079173	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]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> 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.	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 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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## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 334875

**QUESTIONS** (continued)

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	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
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when
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 eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or Name: Alexis Bolanos
I hereby agree and sign off to the above statement	Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/23/2024

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

Action 334875

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**QUESTIONS** (continued) Operator: OGRID: FORTY ACRES ENERGY, LLC 371416 11757 KATY FWY Action Number HOUSTON, TX 77079173 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. No

Requesting a remediation closure approval with this submission

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

CONDITIONS

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

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Action 334875