District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAPP2222156995
District RP	11/11/12/22/100000
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Forty Acres Energ	V	OGRID	371416			
Contact Name Brittney Storfa				Contact Telephone 832-241-8080			
Contact email britt	ney@faenergyus.	com	Incident #	Incident # (assigned by OCD) nAPP2222156995			
Contact mailing addre			ouston, TX 770				
		Location of	of Release S	ource			
Latitude32.5242			Longitude	Longitude -103.34			
		(NAD 83 in decir	mal degrees to 5 deci	mal places)			
Site Name West E	umont Unit LW W	hite 2 Battery	Site Type	Battery			
Date Release Discovere	ed 08/01/2022		API# (if ap)	plicable)			
Unit Letter Section	Township	Range	Cour	ntv			
O 34	20 S	36E	12	inty			
0 34	20 3	30L	Lea				
Surface Owner: Stat	e 🗌 Federal 🔲 Tr	ibal X Private (Na	ame:	Dale Cooper)			
		Nature and	Volume of 1	Release			
200							
Mate Crude Oil	Volume Release	1 (1 1 1)	alculations or specific	Volume Recovered (bbls) 5 bbls			
Produced Water	Volume Release		סומט	Volume Recovered (bbls)			
	Is the concentrat	ion of dissolved chl	oride in the	in the X Yes No			
Condensate	Volume Release						
Natural Gas			10000 AND	Volume Recovered (bbls)			
Other (describe)	20 - 4 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2			Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units)			inits)	Volume/Weight Recovered (provide units)			
Cause of Release	Hole in the bottom of the tank.						
Cause of Release Hole in the botton	n of the tank.						
	n of the tank.						
	n of the tank.						

Form C-141 Page 2 State of New Mexico Oil Conservation Division

Incident ID	NAPP2222156995
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? Yes No If YES, was immediate no		whom? When and by what means (phone, email, etc)?
	Initial R	Response
The responsible p	arty must undertake the following actions immediat	ely unless they could create a safety hazard that would result in injury
The source of the rele	ase has been stopped.	
The impacted area has	s been secured to protect human health and	d the environment.
Released materials ha	ve been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	coverable materials have been removed an	nd managed appropriately.
Per 19.15.29.8 B. (4) NM/has begun, please attach a	AC the responsible party may commence	remediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred
within a lined containment	t area (see 19.15.29.11(A)(5)(a) NMAC),	please attach all information needed for closure evaluation.
regulations all operators are r public health or the environm failed to adequately investiga	equired to report and/or file certain release not tent. The acceptance of a C-141 report by the te and remediate contamination that pose a thr	best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Brittne	Storfa	Title: Production Engineer
Signature:		Date:8/10/2022
email:brittney@fa	nenergyus.com	Telephone: 832-241-8080
OCD Only Jocelyn H Received by:	Harimon	08/10/2022 Date:

	Page 3 of 192
Incident ID	NAPP2222156995
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

this information must be provided to the appropriate district office no taler than 90 days after the release discovery date.							
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)						
Did this release impact groundwater or surface water?	☐ Yes ☒ No						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 🏻 No						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🏻 No						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No						
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🏻 No						
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No						
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No						
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No						
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No						
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No						
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No						
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.							

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

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

Received by OCD: 10/13/2023 7:54:41 AM State of New Mexico
Page 4 Oil Conservation Division

Received by:

OCD Only

Facility ID
Application ID

Date:

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

Printed Name: Alex Bolanos

Title: Regulatory/Production Analyst

Date: 12/14/23

email: alex@faenergyus.com

Telephone: (832)689-3788

e of New Mexico

Incident ID	NAPP2222156995
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	oe included in the plan.					
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 						
<u>Deferral Requests Only</u> : Each of the following items must be co	nfirmed as part of any request for deferral of remediation.					
Contamination must be in areas immediately under or around p deconstruction.	production equipment where remediation could cause a major facility					
★ Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.						
Printed Name: Alex Bolanos	Title: Regulatory/Production Analyst					
Signature: Alex Bolanos	Date: 12/14/23					
email: alex@faenergyus.com	Telephone: (832)689-3788					
OCD Only						
Received by:	Date:					
☐ Approved ☐ Approved with Attached Conditions of	Approval Denied Deferral Approved					
Signature: Nelson Velez	Date: 12/21/2023					



DEFERRAL REQUEST REPORT

West Eumont Unit LW White 2 Battery

Lea County, New Mexico

Incident Number NAPP2222156995

Prepared for: Forty Acres Energy, LLC 11757 Katy Freeway, Suite 725

Houston, TX 77079

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

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

SITE LOCATION AND RELEASE BACKGROUND

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

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

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

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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



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

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

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

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

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

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

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

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



LABORATORY ANALYTICAL RESULTS

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

DEFERRAL REQUEST

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

- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring CP-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.
- According to laboratory analytical results of delineation soil samples inside the AOC, impacts do
 not appear to exceed 4 feet bgs within AOC in the vicinity of PH02. Remaining hydrocarbon
 residual impacts associated with the inadvertent release are characterized by concentrations
 ranging from 13,200 mg/kg to 4,886.9 mg/kg and reside beneath and immediately adjacent to an
 above ground storage tank and above-ground utilities. Further removal of impacted soil would
 likely compromise the structural integrity of said active production equipment and above-ground
 utilities. The approximate area of the proposed deferral area is presented on Figure 3 in
 Appendix A.
- Laboratory analyses for all final delineation soil samples collected outside the secondary containment earthen berm yielded COC concentrations below the applicable Site Closure Criteria. As such, FAE believes that the horizontal periphery of the AOC is sufficiently defined.
- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the maximum extent practical and sufficiently delineated in accordance with the applicable Site Closure Criteria. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE requests consideration for the deferral of approximately 200 CYs of impacted soil associated with Incident Number NAPP2222156995 until decommissioning or major facility deconstruction of the Site, whichever comes first.

LIMITATIONS

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

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



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

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

Ericl &

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

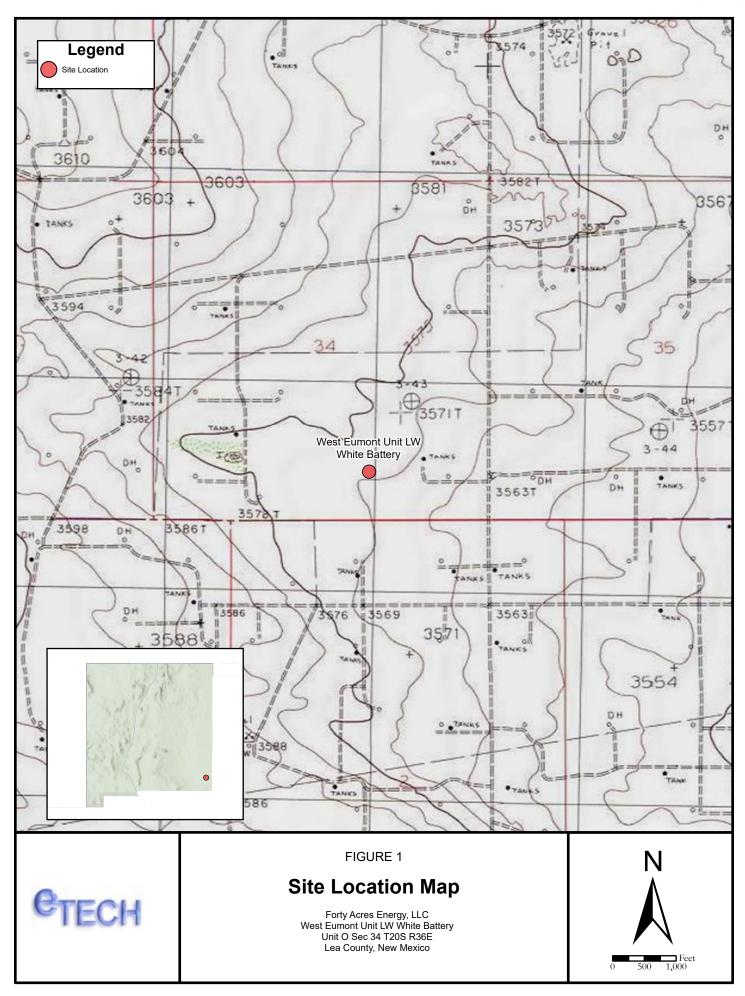
Appendix G NMOCD Notifications

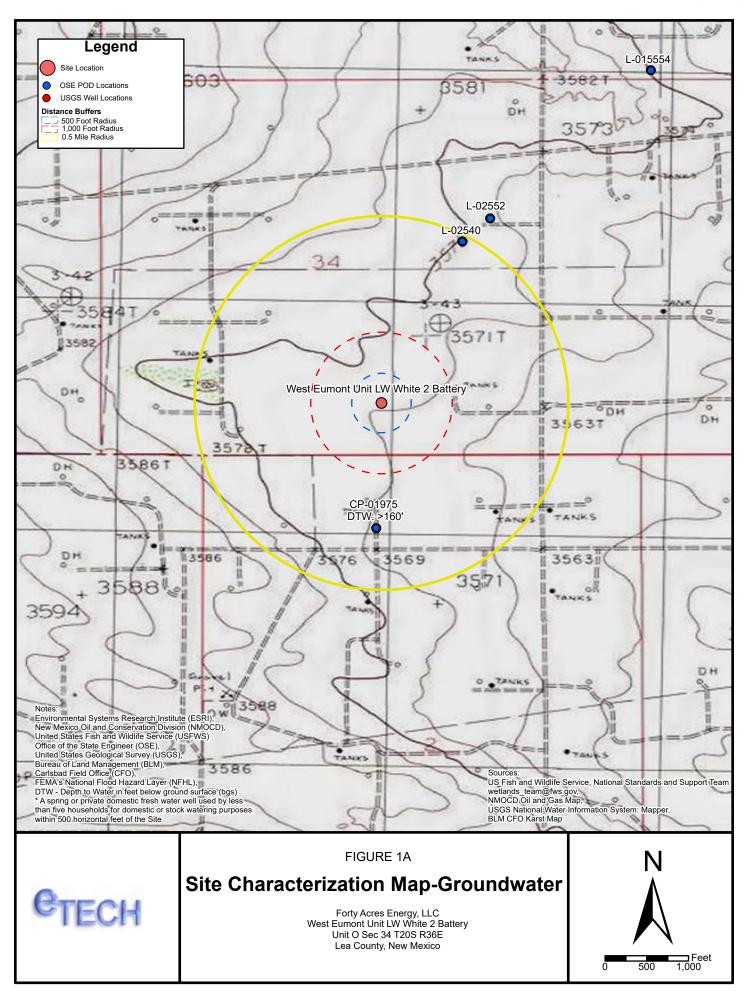
Appendix H Original Submitted DRR

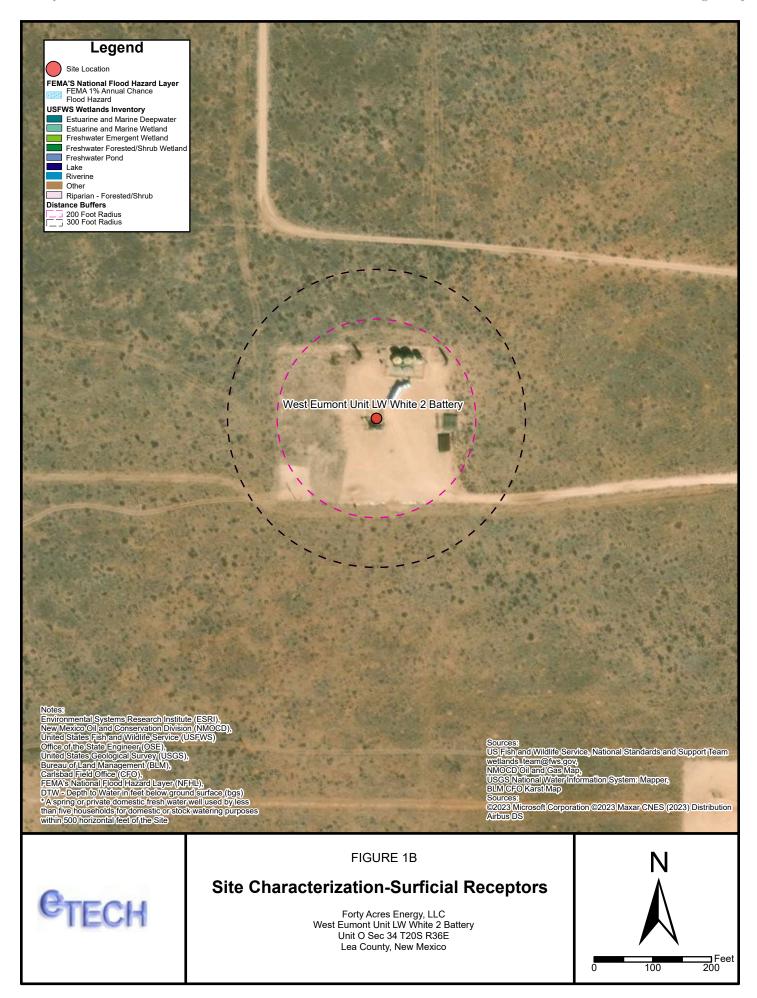
APPENDIX A

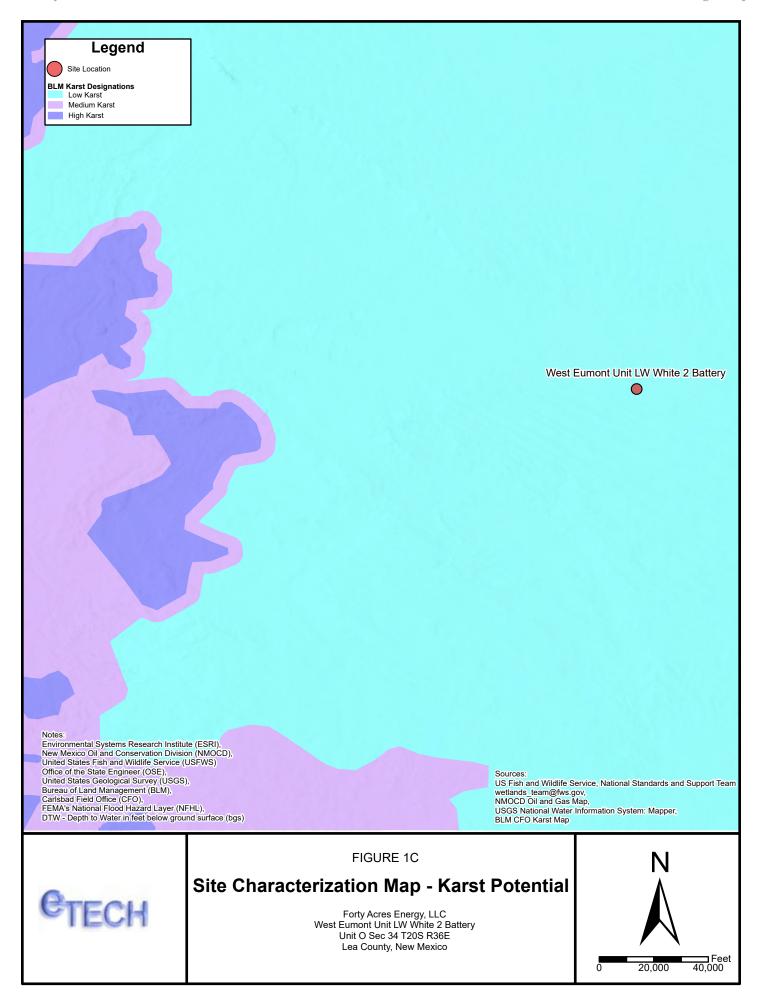
Figures















APPENDIX B

Referenced Well Records





WELL RECORD & LOG
OFFICE OF THE STATE ENGINEER

NO	OSE POD NO. (WELL NO.) POD-1 WELL TAG ID NO. 213A19					OSE FILE NO(S). CP-1975						
CATI	WELL OWNER NAME(S) Clay Tom Cooper					PHONE (OPTIONAL)						
77	WELL OWN	ER MAILING	G ADDRESS					CITY		STATE		ZIP
WEL	Box 6							Monument		NM	88265	
GENERAL AND WELL LOCATION	WELL LOCATIO	Litti	DEGREES 32		MINUTES 31	seconi 09.6]	REQUIRED: ONE TENTH OF A SECOND			
VER	(FROM GPS) LONGITUDE 103 20 24.7 W				* DATUM REG	* DATUM REQUIRED: WGS 84						
1. GE	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE											
	LICENSE NO),	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING C	OMPANY	
	183	39			Boyd Coffey					Coffey D	rilling	
	DRILLING S' 8-24-2		DRILLING ENDED 8-24-2023	DEPTH OF CO	MPLETED WELL (F	FT)		LE DEPTH (FT) 160	DEPTH WATER FIR	ST ENCO		
7	COMPLETED WELL IS: ARTESIAN V DRY HOLE SHALLOW (UNCONFINED)				FINED)	STATIC WATER LEVEL IN COMPLETED WELL (FT) NA						
rioľ	DRILLING F	LUID:	☐ AIR	✓ MUD	ADDITIV	VES – SPECI	FY:					
RMA	DRILLING M		✓ ROTARY	HAMMER				R – SPECIFY:				
NFC	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL ANI	D/OR	C/	ASING	CASING	CASI	NG WALL	SLOT
CASING INFORMATION	FROM	ТО	DIAM (inches)		e each casing string, and		CONN T	NECTION TYPE ling diameter)	INSIDE DIAM. TH		HICKNESS (inches)	SIZE (inches)
& C4	0	20	10		PVC			bell	5		sdr 21	
NG 8	20	100	8.75		PVC			bell	5	sdr 21		
2. DRILLING	100	120	8.75		PVC			bell	5	sdr 21		0.020
DRI	120	160	8.75		PVC			bell	5		sdr 21	
2.												
	DEDTU	(feet bal)	DODE WAY	1 10	OT ANIMITIAN O	EAL MAT	EDIAL 4	AND	AMOUNT) (Parties	D. O.F.
T	DEPTH (feet bgl) BORE HOLE DIAM. (inches) DIAM. (inches) BORE HOLE CRAVEL PACK SIZE-RANGE BY IN					AMOUNT (cubic feet)		METHOD OF PLACEMENT				
RIA	FROM 0	20	10				8		Pour			
ATE	20	160	8.75				38			Pour		
RM												
U LA												
ANNULAR MATERIAL												
3. A												
FOI	OCE INITED				- 				O WELL DECORD			2/10)

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Ver	sion 04/30/19)
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELI	. TAG ID NO.	PAGE 1 OF 2

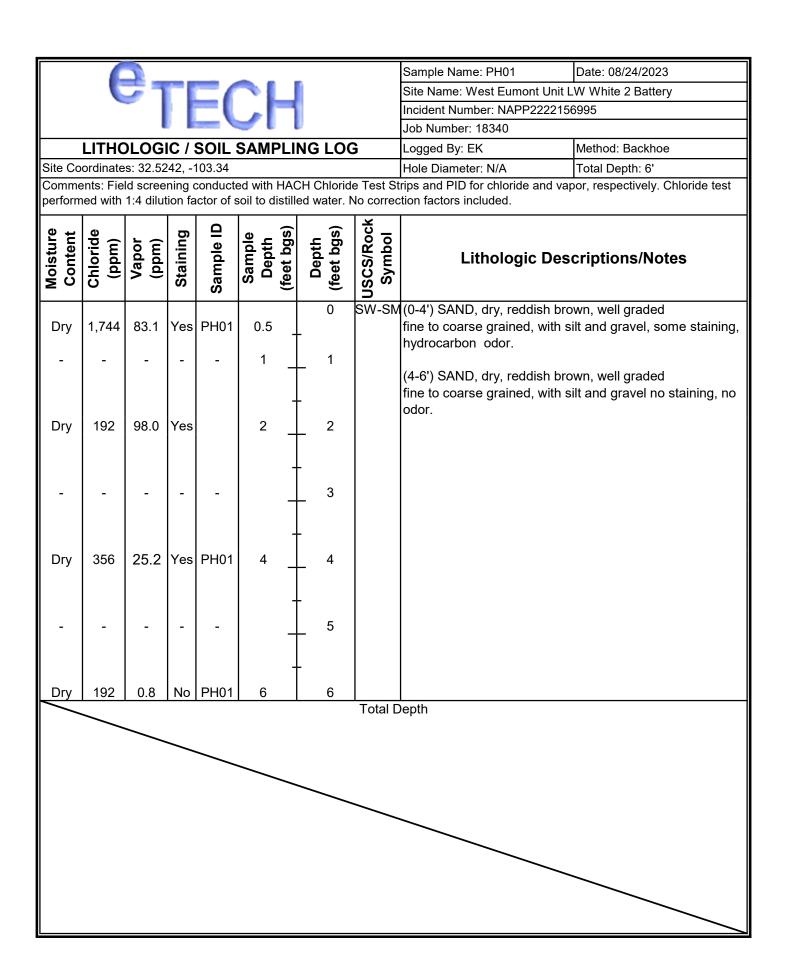
	DEPTH (1	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
			_	D 10 1 D 0 1	V ()	ZONES (gpill)
	0	5	5	Red Sandy Top Soil	Y ✓ N	
	5	46	41	White Caliche	Y ✓ N	
	46	94	48	Tan soft SandStone	Y ✓N	
	94	101	7	Red clay	Y ✓N	
	101	108	7	Course sand/gravel	Y ✓ N	
CL	108	160	52	Red Clay	Y ✓ N	
WE					Y N	
OF					Y N	
500					Y N	
ICI					Y N	
007					Y N	
EO					Y N	
ROC					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
4.1					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					YN	
	METHOD I	SED TO ES	TIMATE VIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
					WELL YIELD (gpm):	0.00
	PUMI	, N	IR LIFT ✓	BAILER OTHER – SPECIFY:		
ION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
TEST; RIG SUPERVISION	MISCELLA	NEOUS INF	FORMATION:			
PER						
3 SU						
; RIG						
EST	PRINT NAM	4E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:
5. T		12(0) 01 2				
r-J	BY SIGNIN	G BELOW	, I CERTIFY TH	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA	EGOING IS A TRUE A	ND CORRECT
SIGNATURE				WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL		
NAT						
6.		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
EOI	OSE INTER	NIAT TICE		WD 20 WE	I DECORD & LOG (Ve	maio m 04/20/2010)

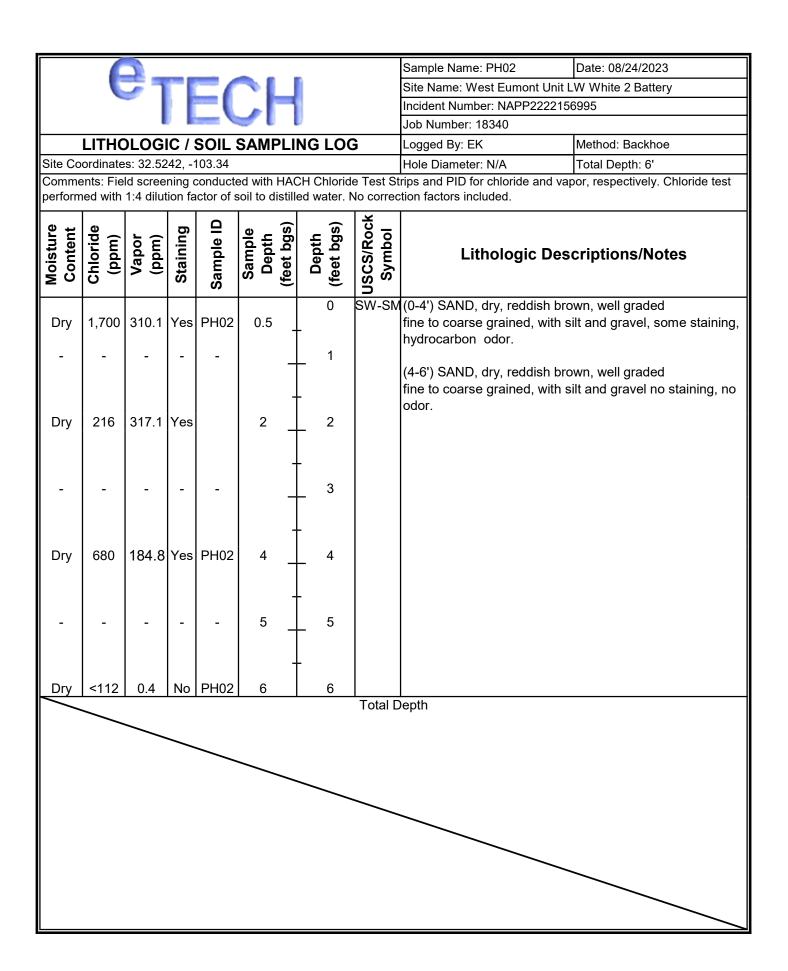
FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Vers	sion 04/30/2019)
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2

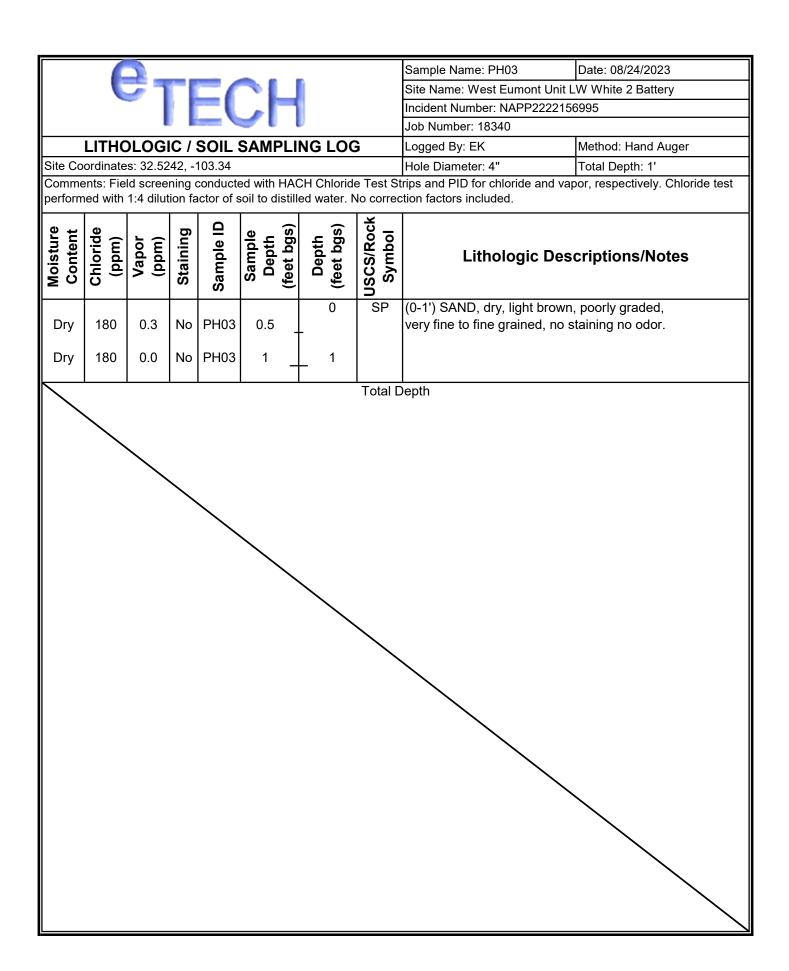
APPENDIX C

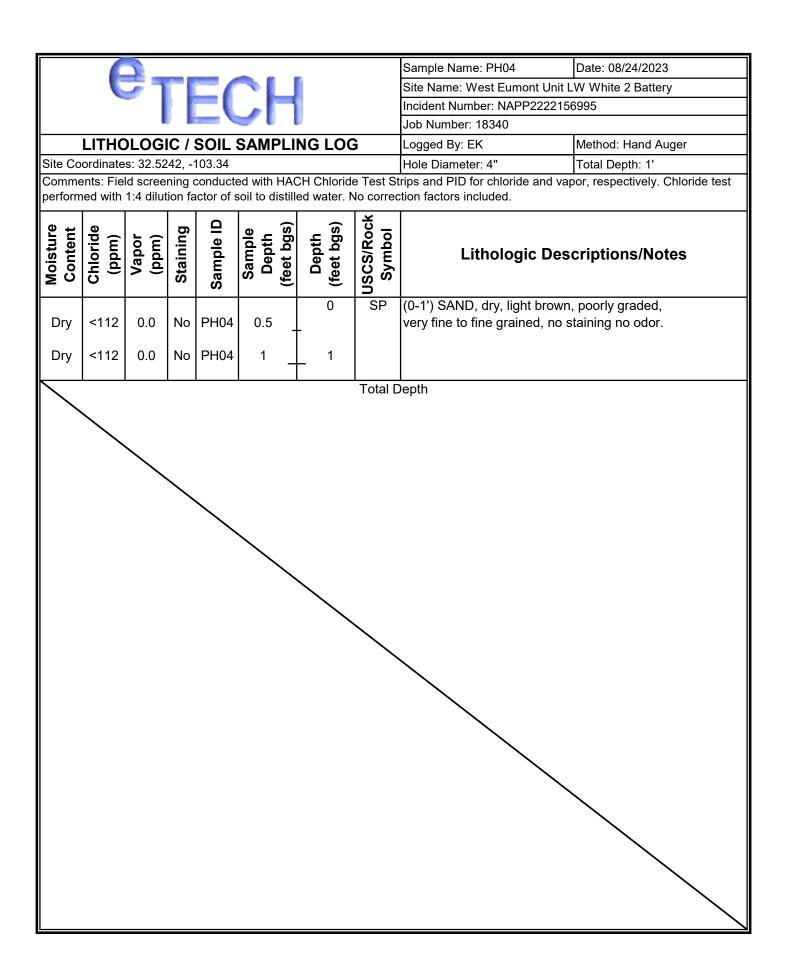
Soil Sampling Logs

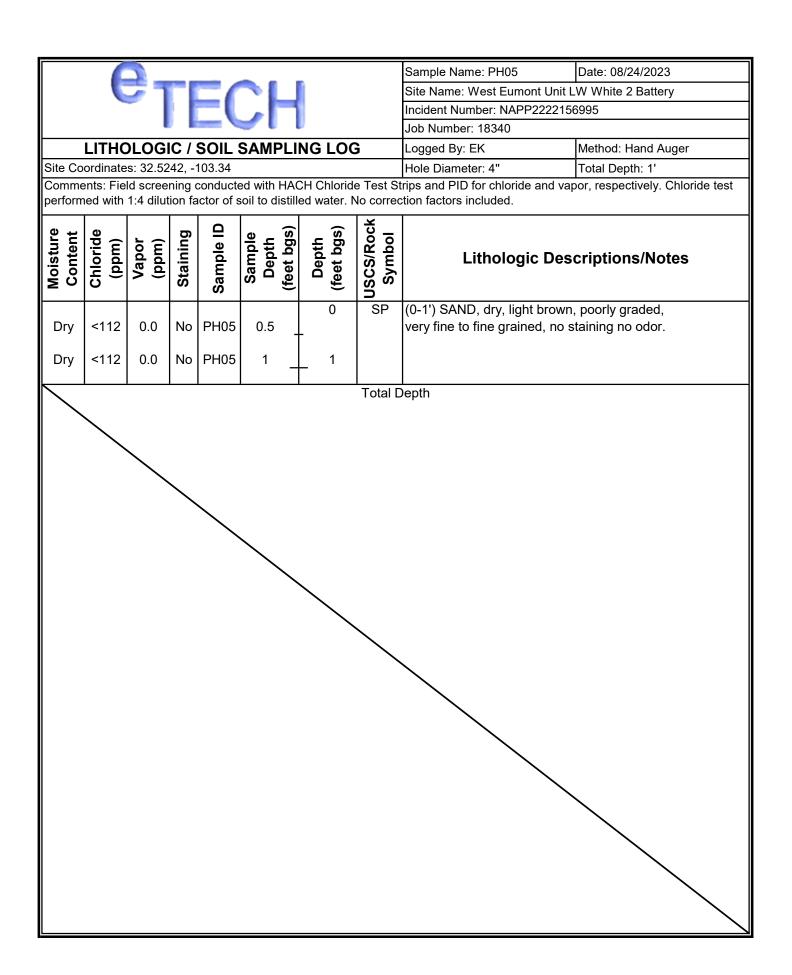


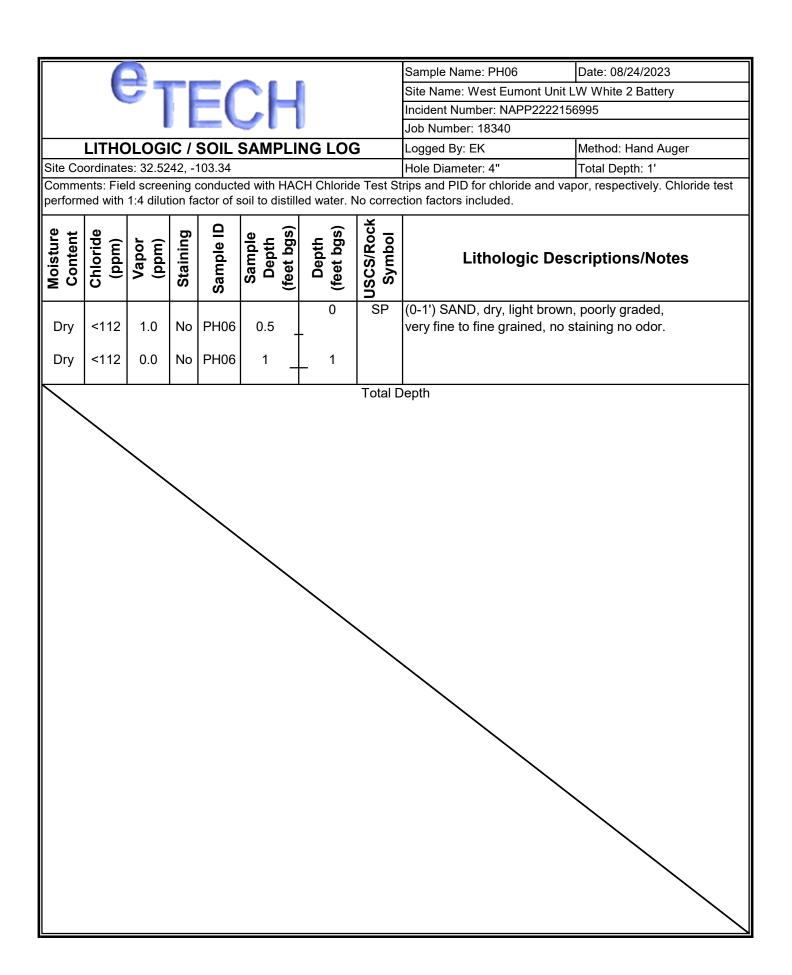












APPENDIX D

Photographic Log



eTECH

PHOTOGRAPHIC LOG

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



Photograph 1 Date: 08/07/2023

Description: Northeastern view during Site assessment acivities.

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





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

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

APPENDIX E

Tables





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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
	Delineation Soil Samples - Incident Number nAPP2222156995									
PH01	08/24/2023	0.5	<0.0250	1.60	35.7	11,800	<5,000	11,800	11,800	1,980
PH01	08/24/2023	4	<0.0250	<0.0500	<20.0	168	64.3	232.3	232.3	841
PH01	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	107
PH02	08/24/2023	0.5	0.0324	7.81	99.3	13,200	<5,000	13,200	13,200	1,240
PH02	08/24/2023	4	<0.0250	1.32	36.9	4,850	<5,000	4,886.9	4,886.9	576
PH02	08/24/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	68.3
PH03	08/24/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH03	08/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<50.0	115
PH04	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
PH04	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH05	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH05	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
PH06	11/20/2023	0.5-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
PH06	11/29/2023	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation



Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308214

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308214

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 0.5'	5
PH01 4'	6
PH02 0.5'	7
PH02 4'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

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



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

PH01 0.5' E308214-01

Dilution	Prepared	Analyzed	Notes
Analyst: IY	7		Batch: 2335027
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
30	08/28/23	08/30/23	
Analyst: IY	7		Batch: 2335027
1	08/28/23	08/30/23	
30	08/28/23	08/30/23	
Analyst: Kl	M		Batch: 2335067
100	08/30/23	08/31/23	
100	08/30/23	08/31/23	
00	08/30/23	08/31/23	
Analyst: B	A		Batch: 2335038
1	08/29/23	08/30/23	
	1 1 1 1 1 1 1 1 30 Analyst: IY 1 30 Analyst: K 100 100	1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 2 08/28/23 2 Analyst: IY 2 08/28/23 2 Analyst: KM 2 08/30/23 2 Analyst: KM 2 08/30/23 30 08/30/23 30 08/30/23 30 Analyst: BA	1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 30 08/28/23 08/30/23 Analyst: IY 1 08/28/23 08/30/23 Analyst: KM 100 08/30/23 08/31/23 100 08/30/23 08/31/23 Analyst: BA



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

PH01 4' E308214-02

		E300214-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	
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		99.2 %	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		85.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2335067
Diesel Range Organics (C10-C28)	168	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	64.3	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		91.9 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2335038
Chloride	841	20.0	1	08/29/23	08/30/23	



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

PH02 0.5' E308214-03

		E308214-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2335027
Benzene	0.0324	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	1.56	0.0250	1	08/28/23	08/31/23	
Toluene	0.286	0.0250	1	08/28/23	08/31/23	
o-Xylene	2.43	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	3.51	0.0500	1	08/28/23	08/31/23	
Total Xylenes	5.94	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	08/28/23	08/31/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	1240	20.0	1	08/29/23	08/30/23	



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

PH02 4' E308214-04

		E300214-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	mg/kg	mg/kg	Analys	•		Batch: 2335027
Volatile Organics by EPA 8021B			1	08/28/23	08/31/23	Batch. 2333027
Benzene	ND	0.0250				
Ethylbenzene	0.276	0.0250	1	08/28/23	08/31/23	
Toluene	0.0840	0.0250	1	08/28/23	08/31/23	
o-Xylene	0.296	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	0.666	0.0500	1	08/28/23	08/31/23	
Total Xylenes	0.962	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/28/23	08/31/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	576	20.0	1	08/29/23	08/30/23	



o-Xylene p,m-Xylene

Total Xylenes

QC Summary Data

		QC 50	u 1111111	ary Date	a				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Vest Eumont U 3007-0001 Erick Herrera	nit #417				Reported: 9/1/2023 3:47:55PM
		Volatile O	rganics	by EPA 802	21B				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335027-BLK1)									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:	E308209-0)2	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			
	4.4=		- 00	3.175	00.5	(2.121			

Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			
Matrix Spike Dup (2335027-MSD1)				Source:	E308209-0	02	Prepared: 08	8/28/23	Analyzed: 08/30/23
Benzene	4.18	0.0250	5.00	ND	83.6	54-133	2.69	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	61-133	2.62	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	2.91	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	4.02	20	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131	2.79	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130			

5.00

10.0

ND

ND

ND

89.5

89.2

63-131

63-131

63-131

4.47

8.92

13.4

0.0250

0.0500

0.0250

QC Summary Data

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

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9/1	1/2023 3:47:55PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

QC Summary Data

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

Odessa TX, 79765		Project Manage	r: Er	ick Herrera					9/1/2023 3:47:55PM
	Nonha	logenated Or	ganics 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 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.8		50.0		93.6	50-200			
LCS (2335067-BS1)							Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	Prepared: 0	8/30/23 An	alyzed: 08/31/23
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	1.95	20	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			

Chloride

Chloride

Matrix Spike Dup (2335038-MSD1)

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manager	: 2	West Eumont Unit #417 23007-0001 Erick Herrera					Reported: 9/1/2023 3:47:55PM
		Anions	by EPA	300.0/9056	1				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 (2335038-BLK1)							Prepared: 0	8/29/23 Aı	nalyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)							Prepared: 0	8/29/23 Aı	nalyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				Source:	E308134-	01	Prepared: 0	8/29/23 Aı	nalyzed: 08/30/23

250

250

20.0

20.0

162

162

103

102

Source: E308134-01

80-120

80-120

0.358

Prepared: 08/29/23 Analyzed: 08/30/23

20

419

417

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Client: Fo	orty Acres Ene	rgy, LLC.				Bill To					L	b U	e Or	Ŋ						AT			rogram
Project: 1	West Eumont	Unit #41	7		At	tention: Etech Environmental & Safet	y Salutions,	inc	Lab '	WO#	i .		dot				10	2D	3D		andard	CWA	SDWA
Project N	Aanager: Erick	(Herrera				dress: 13000 W County Rd 100			E.3	οŠ	<u>21'</u>	4_			∞			<u> </u>	<u> </u>	5	day TAT		
Address:	13000 W Cou	inty Rd 10	20		Cit	y, State, Zip_Odessa,TX, 79765						`	Analy	sis ar	d Me	thod			<u></u>]		RCRA
City, Stat	e, Zip_Odessa	a,TX, 7976	55		Ph	one: (432)563-2200				Š			Ţ							1			<u> </u>
Phone: (.	281)777-4152	!			En En	nail:				20			l ,	ŀ	ł	- 1	State						
Email: er	ick@etechenv	v.com, jo:	seph@et	echenv.co		D: N/A				ģ	=		ا ا	8	1	- !	NM CO UT AZ TX			TX			
Collected	by: Edyte Ko	nan			Inc	Ident ID: nAPP2222156995			3	Q,	17 28	🛱	ğ	8		ł			ř	l	لسلسا	!	
Time Sampled	Date Sampled	Mateix	No. of Containers	Sample ID	······································		Lab Nu	ımber	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by	VOC 5y 8260	Metals 6010	Chlorida 300.0			20056		900			Remarks	
10:00	8/24/2023	S	1			PHOI	1		0.5'								X		<u> </u>				
10:10	8/24/2023	s	1			PH01	2		4'								X						
10:30	8/24/2023	5	1			PHOZ	3		0.51								X						
10:40	8/24/2023	S	1			PH02	4		4'								X						
																	X	_					
						1112																	
						0																	
	_																						
																							-
Addition	nal Instruction	ns:																					
L .	pler), attest to the e of collection is co					at tampering with or intentionally initiabellis Sempled by:	g the sample	location	١.						_	-					l on ice the day on 6 °C on autor	-	plact or
Relinquish	ed by: (Signature	e)	Ont O8	25123	Rma 15500	Received by: (Signature) Michelle Gonzales	08-2	25-23		Time 15	500		Rece	ived	on ic	 e:		Ь U:	ie On	ly			
Lugarida de la		™ 1700	Receiled by: (Signature)		8/2	23 9:55		<u> </u>	11 12 13														
	ed by: (Signatur		Dat	•	Time	Received by: (Signature) Dark Time AVG Temp °C			**************************************		;												
Sample Ma	trtu: S - Soll, Sd - Sc	olid, Sig - Shud	ge, A · Aqu	ous, O · Other	·	***************************************	Contain	er Typ	0: g -	glass	, p - c					r gia	\$5. V	- VO	A				
						arrangements are made. Hazardous si														for th	e enalysis o	the abov	samples is

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

envirotech Page 46 of 192

envirotech Inc.

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308214
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:20	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
	Custody (COC)					
	he sample ID match the COC?	tab the COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	atad amalyzana?	Yes Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, requestall samples received within holding time?	sted allaryses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	ies		<u>Comment</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No Na			
	he sample received on ice? If yes, the recorded temp is 4°C,		NA			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u> </u>			
_	Container equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA 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	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceteur	168			
	field sample labels filled out with the minimum info	armation:				
	Sample ID?	Amation.	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		No			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	namples required to get sent to a subcontract laborato	rv?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
	nstruction					
CHERT	<u>nstruction</u>					

Date

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

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308211

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308211

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

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

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



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

PH01 6' E308211-01

		1200211 01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: KM		Batch: 2335067
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/31/23	
Surrogate: n-Nonane		94.8 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2335039
Chloride	107	20.0	1	08/29/23	08/31/23	

QC Summary Data

West Eumont Unit #417 Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 3:46:55PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335027-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2335027-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.61 92.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 102 o-Xylene 5.09 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 93.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.44 Matrix Spike (2335027-MS1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.07 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.32 0.0250 5.00 86.4 Toluene 4.35 0.0250 5.00 ND 87.0 61-130 4.47 ND 89.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.92 0.0500 10.0 ND 89.2 63-131 13.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.43 8.00 Matrix Spike Dup (2335027-MSD1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.18 0.0250 5.00 ND 83.6 54-133 2.69 20 61-133 2.62 4.44 0.0250 5.00 ND 88.7 20 Ethylbenzene 61-130 Toluene 4 48 0.0250 5.00 ND 89.6 2 91 20 4.66 5.00 ND 93.1 63-131 4.02 20 o-Xylene 0.0250 2.79 9.18 10.0 ND 91.8 63-131 20 p,m-Xylene 0.0500 Total Xylenes 13.8 0.0250 15.0 ND 92.2 63-131 3.20 20

8.00

92.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.42

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

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

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9	/1/2023 3:46:55PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20			

8.00

6.97

87.1

70-130

QC Summary Data

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

Odessa 1X, /9/65		Project Manager	r. En	ck Herrera					9/1/2023 3:40:33PW
	Nonha	logenated Or	ganics 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							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: 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			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 A	nalyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	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	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			

Chloride

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager	2	Vest Eumont U 3007-0001 rick Herrera	nit #417				Reported: 9/1/2023 3:46:55PM
		Anions	by EPA	300.0/9056	\				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 A	analyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-	01	Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			
Matrix Spike Dup (2335039-MSD1)				Source:	E308208-	01	Prepared: 0	8/29/23 A	nalyzed: 08/31/23

250

20.0

412

100

80-120

5.33

20

662

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Cliant: En	rty Acres Ene					Bill To			Γ		1.8	b Us	se On	ĺv		Т			T/	T		EPA P	rogram
					-		- 1		1-6	WO#				Num	her	-	10	2D	3D	St	andard	CWA	SDWA
	Vest Eumont		<i>,</i>			ttention: Etech Environmental & Safet	Solutio	กร <u>ู เกะ.</u>		N	211				$\tilde{\omega}$						day TAT		
	lanager: Erick				— J^	ddress: 13000 W County Rd 100			<u> </u>	XT/O	لبابيك		1 <u>027</u>	ele ac	d Met	hod							RCRA
	13000 W Cou				_				⊢	Ε.			T	313 41	- I		_						
	e, Zip_Odessa		65			hone: (432)563-2200			l	o T						- 1					 -	State	
	81)777-4152					mail:			l	[₹			ļ	_		- 1	_		1		NMI CO	UT AZ	ואד
	ck@etechenv		seph@eto	echenv.co		/O: N/A				8	1208	33	! ∘	8		- 1	Ž		🗷		NIVI CO	3, 1	╎┈ ┤╌┤
Collected	by: Edyte Ko	han			11	cident ID: nAPP2222156995			2	ğ	88	23	3	M		- 1	¥		١., ا		}———- <u>-</u>		
Time Sampled	Data Sampled	Matrix	Comments for all	Sample ID	1		Lab	Number	Depth(ft.	трн Gro/Dro/Oro Бу 8015	erex by	0928 ⁽ 4) 200A	Metals 6010	Chloride 300.0			96000		9000			Remarks	·
10:20	8/24/2023	s	1			PH01	1		6'		•					1	X						
				-		_, ··-	┼┈						-										_
			<u> </u>				 		-						-	_							
		<u> </u>	<u> </u>	-			-						\vdash		┰				-				
		ļ					 		_							4							
									<u> </u>				<u> </u>			_					ļ <u>.</u>		
			1																				
				-																		·-	
Addition	al Instruction	\	<u> </u>						!									·					
						hat sampering with or intentionally mislabelli	ng the sa	mple locat	lon,			~									on to the day an 6 °C on sub		
	of collection is co					Sempled by:	Date			Time							٠.,	5.11	se On	h,			
Reknquish	on the desire parties parties	e) 	08/	2512 3	15:00	Received by: (Signature) MICHELLE GONZALES	0	3-25-2		1	500		Rec	aived	on ic	e :		/ N		ı y			
Relinguish	ed by: (Signatur 1elle Gonz	ales	080	3-25-23	™• 1700	Received by: Stanature)	- S	128/2	23	9.	5	5	11				12				13		
	ed by: (Signature		Data	,	Time	Received by: (Signature)	Daté			Time		- 	AVG	Ten	ıp °Ç_	4							
Samuela 64-4	nx: \$ - 500, \$d - 50	NA Se - CS-4	re. A · Acres	ous, D · Other	·		Con	tainer Ty	/pe: g	- glas	15, p -	poly	/plas	tic, a	· amb	er g	ass,	v - V	OA				
Note Sam	oles are discarde	ed 30 days	after result	s are reporte	d unless oth	e arrangements are made. Hazardous (The liability of the laboratory is limited	amples to the a	will be ret mount pe	urnec	l to cli	ent or e repo	disp rt.	osed (f et ti	e cilen	t exp	ense	The	repo	t for	the analysis	of the abo	ove samples



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55		Work Order ID:	E308211
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:17		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)		86	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C,	ie 6°+2°C	Yes				
12,	Note: Thermal preservation is not required, if samples are minutes of sampling		103				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample C	Container_						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	pel						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
	Preservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client Ir	nstruction						
<u>Chent II</u>	isti uction						

Date

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308212

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308212

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH02 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	Donoutode
١	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

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



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

PH02 6' E308212-01

		E308212-01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
· · · · · · · · · · · · · · · · · · ·	resure				111111111111111111111111111111111111111	110100
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	Ana	ılyst: 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	ılyst: 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	Ana	ılyst: BA		Batch: 2335039
Chloride	68.3	20.0	1	08/29/23	08/31/23	



QC Summary Data

West Eumont Unit #417 Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 3:50:56PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335027-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2335027-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.61 92.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 102 o-Xylene 5.09 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 93.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.44 Matrix Spike (2335027-MS1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.07 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.32 0.0250 5.00 86.4 Toluene 4.35 0.0250 5.00 ND 87.0 61-130 4.47 ND 89.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.92 0.0500 10.0 ND 89.2 63-131 13.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.43 8.00 Matrix Spike Dup (2335027-MSD1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.18 0.0250 5.00 ND 83.6 54-133 2.69 20 61-133 2.62 4.44 0.0250 5.00 ND 88.7 20 Ethylbenzene 61-130 Toluene 4 48 0.0250 5.00 ND 89.6 2 91 20 4.66 5.00 ND 93.1 63-131 4.02 20 o-Xylene 0.0250 2.79 9.18 10.0 ND 91.8 63-131 20

0.0500

0.0250

15.0

8.00

ND

92.2

92.8

63-131

70-130

3.20

20

13.8

7.42



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

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

Odessa TX, 79765		Project Manager	r: Er	ick Herrera				9/	1/2023 3:50:56PM
Nonhalogenated Organics by EPA 8015D - GRO Analyst: IY									Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
DI 1 (2225025 DI 1/4)									
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Ana	yzed: 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 Ana	yzed: 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 Ana	yzed: 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 Ana	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

QC Summary Data

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

Odessa 1X, /9/65		Project Manager	r: Er	ck Herrera					9/1/2023 3:30:36PW
	Nonha	logenated Or	ganics by l	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							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: 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			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	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	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			



Matrix Spike (2335039-MS1)

Matrix Spike Dup (2335039-MSD1)

Chloride

Chloride

699

662

Prepared: 08/29/23 Analyzed: 08/31/23

Prepared: 08/29/23 Analyzed: 08/31/23

20

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		est Eumont U 3007-0001	nit #417				Reported:
Odessa TX, 79765		Project Manager:	Eı	rick Herrera					9/1/2023 3:50:56PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	1				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	nalyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)]	Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			

250

250

20.0

20.0

Source: E308208-01

Source: E308208-01

114

100

80-120

80-120

5.33

412

412

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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



Received by OCD: 10/13/2023 7:54:41 AM

Page 1 of 1

SDWA

RCRA

EPA Program

CWA

State

envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55		Work Order ID:	E308212
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:18		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	th the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier_		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in	the field	Yes				
	i.e, 15 minute hold time, are not included in this disucssio					Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did the	e 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 th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	emperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La							
	field sample labels filled out with the minimum infor	mation:	V				
	ample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation		110				
	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
Multiph:	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	s, does the COC specify which phase(s) is to be analyst		NA				
			1421				
	ract Laboratory		3.7				
	amples required to get sent to a subcontract laborator		No		3.7.4		
29. was a	a subcontract laboratory specified by the client and if	so wno?	NA	Subcontract Lab	o: NA		
Client I	<u>nstruction</u>						

Date

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

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308209

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308209

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH03 0.5'	5
PH03 1'	6
PH04 0.5'	7
PH04 1'	8
PH05 0.5'	9
PH05 1'	10
PH06 0.5'	11
PH06 1'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc	18

Sample Summary

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

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

PH03 0.5' E308209-01

	E300207-01				
Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: BA		Batch: 2335038
115	20.0	1	08/29/23	08/30/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 86.0 % mg/kg MD 25.0 ND 50.0 98.8 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.0 % 70-130 mg/kg mg/kg An ND 20.0 1 86.0 % 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 98.8 % 50-200 mg/kg mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0500 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 mg/kg mg/kg/23 08/28/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 ND 50.0 1 08/30/23 ND 50.0 1 08/30/23 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 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 ND 0.0250 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 08/30/23 ND 25.0 1 08/30/23 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 mg/kg mg/kg Analy



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

PH03 1'

E308209-02

Reporting						
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	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	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	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		86.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	Aı	nalyst: BA		Batch: 2335038
Chloride	115	20.0	1	08/29/23	08/30/23	



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

PH04 0.5' E308209-03

		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	
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	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		86.3 %	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		94.7 %	50-200	08/30/23	08/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335038
Chloride	21.2	20.0	1	08/29/23	08/30/23	



Sample Data

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

PH04 1'

E308209-04							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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		
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	Analy	yst: 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	Analy	yst: JL		Batch: 2335061	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/30/23	08/30/23		
Oil Range Organics (C28-C36)	ND	50.0	1	08/30/23	08/30/23		
Surrogate: n-Nonane		85.0 %	50-200	08/30/23	08/30/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335038	
Chloride	ND	20.0	1	08/29/23	08/30/23		



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

PH05 0.5' E308209-05

	L500207 05				
Result	Reporting 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	
	91.7 %	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	
	87.7 %	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	
	89.4 %	50-200	08/30/23	08/30/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2335038
26.6	20.0	1	08/29/23	08/30/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 87.7 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 89.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Anal ND 20.0 1 87.7 % 70-130 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 89.4 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0500 1 08/28/23 ND 0.0250 1 08/28/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 ND 50.0 1 08/30/23 ND 50.0 1 08/30/23 89.4 % 50-200 08/30/23 mg/kg Mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 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 ND 0.0250 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IV ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23



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

PH05 1'

E308209-06

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	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	Ana	alyst: 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	Ana	alyst: BA		Batch: 2335038
111101101101101111111111111111111111111						



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

PH06 0.5' E308209-07

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



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

PH06 1'

		E308209-08				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	1	08/28/23	08/30/23	
Toluene	ND	0.0250	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



OC Summary Data

		QC 50	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ary Data					
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:	E	crick Herrera					9/1/2023 1:42:24PM
		Volatile O	rganics	by 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 Ai	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:	E308209-0)2	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:	E308209-0)2	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 13.8	0.0500 0.0250	10.0 15.0	ND ND	91.8 92.2	63-131 63-131	2.79 3.20	20 20	



Surrogate: 4-Bromochlorobenzene-PID

7.42

70-130

QC Summary Data

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

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9/1	/2023 1:42:24PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

QC Summary Data

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

	Project Manager	r: En	ick Herrera					9/1/2023 1:42:24PN
Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: JL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	8/30/23 At	nalyzed: 08/30/23
ND	25.0							
ND	50.0							
48.0		50.0		96.0	50-200			
						Prepared: 0	8/30/23 Aı	nalyzed: 08/30/23
244	25.0	250		97.5	38-132			
50.8		50.0		102	50-200			
			Source:	E308208-0	01	Prepared: 0	8/30/23 Aı	nalyzed: 08/30/23
262	25.0	250	ND	105	38-132			
50.0		50.0		100	50-200			
			Source:	E308208-0	01	Prepared: 0	8/30/23 Aı	nalyzed: 08/30/23
261	25.0	250	ND	105	38-132	0.163	20	
201	25.0							
	Result mg/kg ND ND 48.0 244 50.8	Nonhalogenated Organic Reporting Limit mg/kg Limit mg/kg ND 25.0 ND 50.0 48.0 244 25.0 50.8 262 25.0	Nonhalogenated Organics by	Result mg/kg Reporting Limit Level mg/kg Spike Level Result mg/kg Source Result mg/kg ND 25.0 ND 50.0 50.0 50.0 48.0 50.8 50.0 50.0 244 25.0 250 50.8 50.0 50.0 Source: 262 25.0 250 ND 50.0 50.0 50.0 50.0 50.0	Nonhalogenated Organics by EPA 8015D - DRO	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Reporting Spike Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %

Matrix Spike (2335038-MS1)

Matrix Spike Dup (2335038-MSD1)

Chloride

Chloride

419

417

Prepared: 08/29/23 Analyzed: 08/30/23

Prepared: 08/29/23 Analyzed: 08/30/23

20

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager	2	West Eumont U 23007-0001 Erick Herrera	nit #417				Reported: 9/1/2023 1:42:24PM
		Anions	by EPA	300.0/9056 <i>A</i>	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			

250

250

20.0

20.0

Source: E308134-01

Source: E308134-01

103

102

80-120

80-120

0.358

162

162

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Client: E	orty Acres Ene				1 1	Dili Ta	Bill To					b Use Only Job Number				10 20 30			<u>.</u>		EPA	Program
Project.	West Eumont	rgy, LLC.						+		_	30 0			<u> </u>	٠	10	20			andard	CWA	SDWA
	Manager: Erick		<u>, </u>			tention: Etech Environmental & Safety	Solutions, Inc.	나얼만	WOA	, , -,	~						25 .	130		day TAT		
Address	nanager, Erick	Herrera				dress: 13000 W County Rd 100		<u> E:</u>	303		격.	يط	<u> </u>	∞			Щ.	<u>. </u>		<u> </u>	 	RCRA
Address:	13000 W Cou	nty Rd 10) 0			y, State, Zip_Odessa,TX, 79765		┦	Τ.			Anan	rsis ai	d Met	noo	_	,	1	_	ļ		+
City, Stat	e, Zlp_Odessa	,TX, 797	55		Ph	one: (432)563-2200		4	Š	l		1					l			├ ──	State	
	281)777-4152				<u>E</u> m	nall:	 	_[5			i	ľ				i			NM CO		7 TY
tmail: er	ick@etechem	.com, jo:	eph@e	techeny.co	<u>m W</u>	0: N/A	_ 	╛	Š	≂	3	۰	900			ΣŽ	ļ	≱		ואאו ש	01 2	
Collected	by: Edyte Ko	nan			lno	rident ID: nAPP2222156995		בּ∟		8	8260	3	ı ğ									
Time Sampled	Date Sampled	Matrix	No. of Company	Sample II)		Lab Numbe	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX 54 \$021	VOC 5y	Metals 6010	Chloride			ВСВОС		gpoc			Remark	<u> </u>
11:00	8/24/2023	s	1			PH03	1	0.5								X			:			
11:10	8/24/2023	5	1			PH03	2	1'								X						
11:20	8/24/2023	s	1			PH04	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	S	1			PH05	0	1'								X						
12:00	8/24/2023	s	1			PH06	7	0.5								х						
12:10	8/24/2023	5	1			РН06	8	ı,								x						
					. <u> </u>	-)4P		-		F	-	-		7	7				\Box			
Addition	nal Instruction	ns:						•	<u>. </u>		•											
1	opler), attest to the					aware that tampering with or intentionally mislabelling the sample location, screen.			•			-	_	-					on los the day in 6°C on subs	-	•	
Relinquist	red by: (Signature		Đa		Time IS:00	Received by: (Signature) Michelle Gonzale (08-25-2		23	Time	500		Rec	eived	on ice	-)/ N	e On	ly			
Reimquist	chelle Gon	rales		8-25-23	1700	Respired by: [Signature] Date /		23	_	:5		n			1	~/ [2	,			T3		
	ned by: (Signatur		D4	te	Time	Received by: (Signature)	Date		Time			AVG	i Terr	p °C_	 4				_			
Sample 14	erix: S - Sod, Sd - Sc		Me. A - Ac	eous. O - Other	1	- 1	Container 1	ype: i	t - gla:	15, D ·						ass.	v - VI	OA			···	
Mate: Se-	oles are distant	4d 30 days	after resu	ts are recort	ed unless other	arrangements are made. Hazardous sa													t for !	he analysis	of the ab	ove somete
applicable	only to those H	mples rece	ived by th	e laboratory	with this COC.	ss other arrangements are made. Hazardous samples will be returned to citer is COC. The Bability of the laboratory is limited to the amount paid for on the i			e repo	PFL .	F											



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308209
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:16	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)	,	
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes	<u> </u>		
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		<u>Comment</u>	s/Resolution
	Curn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	-					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
	Container .	•				
	queous 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	s?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal						
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
D	ate/Time Collected?		Yes			
C	ollectors name?		No			
	reservation					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved i	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	orv?	No			
	subcontract laboratory specified by the client and	•	NA	Subcontract Lab: NA		
Client In	<u>nstruction</u>					



November 21, 2023

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

RE: WEST EUMONT UNIT LW WHITE BATT

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

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

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

WEST EUMONT UNIT LW WHITE BATT

mg/kg

Project Name: WEST EUM Project Number: KH237050

Project Location: NONE

Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

BTEX 8021B

DILX 0021D	ilig	r kg	Allalyze	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.90	94.8	2.00	15.0	
Toluene*	<0.050	0.050	11/21/2023	ND	2.05	102	2.00	16.0	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.03	101	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.21	104	6.00	16.1	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	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	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	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	195	97.4	200	2.46	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	183	91.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mile Sough



Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

11/21/2023 Sampling
WEST EUMONT UNIT LW WHITE BATT Sampling

Project Name: WEST EUMC Project Number: KH237050

Project Location: NONE

Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea 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, SM4500CI-B	mg,	/kg	Analyze	ed 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	ed 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						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Me Sough



Analytical Results For:

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

Received: 11/20/2023 Reported: 11/21/2023

Project Name: WEST EUMONT UNIT LW WHITE BATT

Project Number: KH237050
Project Location: NONE

LOT LOMOINT CIVIT LW WIT

Sampling Date: 11/20/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

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

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 49.1-14	8						

Analyzed By: JH/

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Me Sough

Cardinal Laboratories



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mile Sough

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

	Thermometer ID #140	0	Yes Tyes	Corrected Temp. °C		Sampler - UPS - Bus - Other:
Standard Bacteria (only) Sample Condition	Turnaround Time:	(Initials)	Cool Intact	6.6		
			Sample Condition	Observed Temp of		Delivered By: (Circle One)
	70			Time:		
	REMARKS:		Received By:		1	Kelinguished By
	620	MANNE	January .	1230	May	M
lailed Please provide Email address:	All Results are emailed. F		Millara	0	1	1/1
		Such claim is based upon any of the above stated reasons or otherwise	Received By:	Date: Rec	/:	Relinquished By:
	client, its subsidiaries,	of use, or loss of profits incurred by	limitation, business interruptions, loss	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services becoming without formal constitutions.	ardinal be liable for incidental or co	affiliates or successors aris
	id by the client for the	ort, shall be limited to the amount pai	arising whether based in contract or to waived unless made in writing and rec	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 20 down 200 cardinal within 200 cardi	ng those for negligence and any ot	analyses. All claims includ
					nd Damages Cardinal's liability and	PLEASE NOTE: Liability a
			^ ,			
						,
	1		1		8	*
						1
	0488	1 11-20	4	1-5-0	A1100 0-	(
	0485	x 11-20		0.3-1.	0 0000	Ru
	0	01-11		3	2079	5
	0070) N	R	1-5.0	DOTI &	
TH BT	TIME	OTHER ACID/E	# CONGROUND	(G)RA		H236314
	- 214	BASE:	JNDW EWAT		Sample I.D.	Lab I.D.
			ATER		, ,	-
	SAMPLING	PRESERV. SAN	MATRIX	1P.		TOR LAB USE ONLY
		Fax #:		MARK	1 Pray is	Sampler Name:
	878	Phone #: 606 420 8278			.\ .\	Project Location:
		State: Zip:	white Bat 8	MY Y'UD	MIST ELMONT	Project Name: Wzst
		City:		r Toject O		7
		7:1			17 2 2 CH)	Project #: /
	22011 6 1101			Fax #:	756895949	Phone #: 5 7
1	Michigan	Attn: Sames	OCE 83	State: \mathcal{NM} Zip:	Shud	city: Cas Is bu
	Francisco	Company: 40 Act		0/60 St.	26 W. P.	Address: 4/5 26
		P.O. #:	*	Cusey	er: Travis	Project Manager:
ANALYSIS RECLIECT		BILL TO			6: Tellacon	company name:
				, , , , , , , , , , , , , , , , , , , ,		

Corrected Temp. °C



December 04, 2023

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

RE: WEST EUMONT UNIT LW WHITE BATTERY

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

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/29/2023 Reported:

12/04/2023 Sampling Type: Soil

Sampling Date:

Project Name: WEST EUMONT UNIT LW WHITE BATTEF Project Number: NONE GIVEN

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

11/29/2023

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, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Received: 11/29/2023 Reported: 12/04/2023

12/04/2023
WEST EUMONT UNIT LW WHITE BATTER

mg/kg

Project Name: WEST EUMONT Project Number: NONE GIVEN

Project Location: 40 ACRES

Sampling Date: 11/29/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH05 1.5' (H236424-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
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	ed 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	ed 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						

Analyzed By: JH/

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Received: 11/29/2023 Reported: 12/04/2023

12/04/2023 Sampling Type:

Applyzod By: 1H /

Project Name: WEST EUMONT UNIT LW WHITE BATTER
Project Number: NONE GIVEN

ma/ka

Project Location: 40 ACRES

Sampling Date: 11/29/2023

ampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH06 1.5' (H236424-03)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST Address: 4826 M. P. M. Sip. 4920 Attn: Sounds My times City: Colly but State: MM Zip. 49220 Attn: Sounds My times	Address:	where	Phone #:	Sampler Name: That Cuts of Fax #:	ESEBA	R	Lab I.D. Sample I.D. Signab or (C) Containers Roundwate Astewater Dil L UDGE THER: E/COOL THER:	0H04 1.5 C1 1 1 1 1 1-241030 1	1.5 CII X X 11-24 1035 X X	1.5 C X N 11-24 1040 X		analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the septicable of the client for the client for the client for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incrured by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardina, "eqardless of whether such claim is based upon any of the above stated reasons or otherwise.) Ime: 300 Parts: 300		Observed Temp. °C 4.5 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) Sa	Thermometer ID #140
--	----------	-------	----------	-----------------------------------	-------	---	---	--------------------------------	----------------------------	----------------------------	--	--	-----------------------	--	---	---------------------

Corrected Temp. °C

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>

Sent: Thursday, August 17, 2023 9:22 AM

To: Erick Herrera

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning Erick,

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

Thank you,

Shelly

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

http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com> Sent: Thursday, August 17, 2023 8:11 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>

Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

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 22nd through August 25th.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: West Eumont Unit #417/LW2 Battery

Incident Number: nAPP2222156995

API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: State WE H Battery Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: Atlantic State #003 Incident Number: nAPP2321654246

API#: 30-025-03508

Thank you,

Erick Herrera Staff Geologist



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

APPENDIX H

Original Submitted DRR

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





DEFERRAL REQUEST REPORT

West Eumont Unit LW White 2 Battery

Lea County, New Mexico

Incident Number NAPP2222156995

Prepared for:
Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725
Houston, TX 77079

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

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

SITE LOCATION AND RELEASE BACKGROUND

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

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

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

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



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

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

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

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

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

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

LABORATORY ANALYTICAL RESULTS

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

DEFERRAL REQUEST

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



- Depth to groundwater is estimated to be greater than 100 feet bgs based on NMOSE permitted soil boring CP-01975-POD1, and no other sensitive receptors are within the applicable buffer ranges.
- According to laboratory analytical results of delineation soil samples inside the AOC, impacts do not appear to exceed 4 feet bgs within AOC in the vicinity of PH02. Remaining residual impacts associated with the inadvertent release reside beneath and immediately adjacent to an above ground storage tank and above-ground utilities. Further removal of impacted soil would likely compromise the structural integrity of said active production equipment and above-ground utilities. The approximate area of the proposed deferral area is presented on Figure 3 in Appendix A.
- Laboratory analyses for all delineation soil samples collected outside the secondary containment earthen berm yielded COC concentrations below the applicable Site Closure Criteria. As such, FAE believes that the horizontal periphery of the AOC is sufficiently defined.
- Based on the laboratory analytical data and corrective actions detailed in this DRR, residual impacts associated with the inadvertent release have been excavated to the maximum extent practical and sufficiently delineated in accordance with the applicable Site Closure Criteria. FAE believes the completed remedial actions have mitigated impacts at the Site and fulfilled requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment and groundwater. As such, FAE requests consideration for the deferral of approximately 200 CYs of impacted soil associated with Incident Number NAPP2222156995 until decommissioning or major facility deconstruction of the Site, whichever comes first.

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

Joseph S. Hernandez

Senior Managing Geologist

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Erick Herrera Staff Geologist

Eriel H

cc: David Schellstede, Forty Acres Energy

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

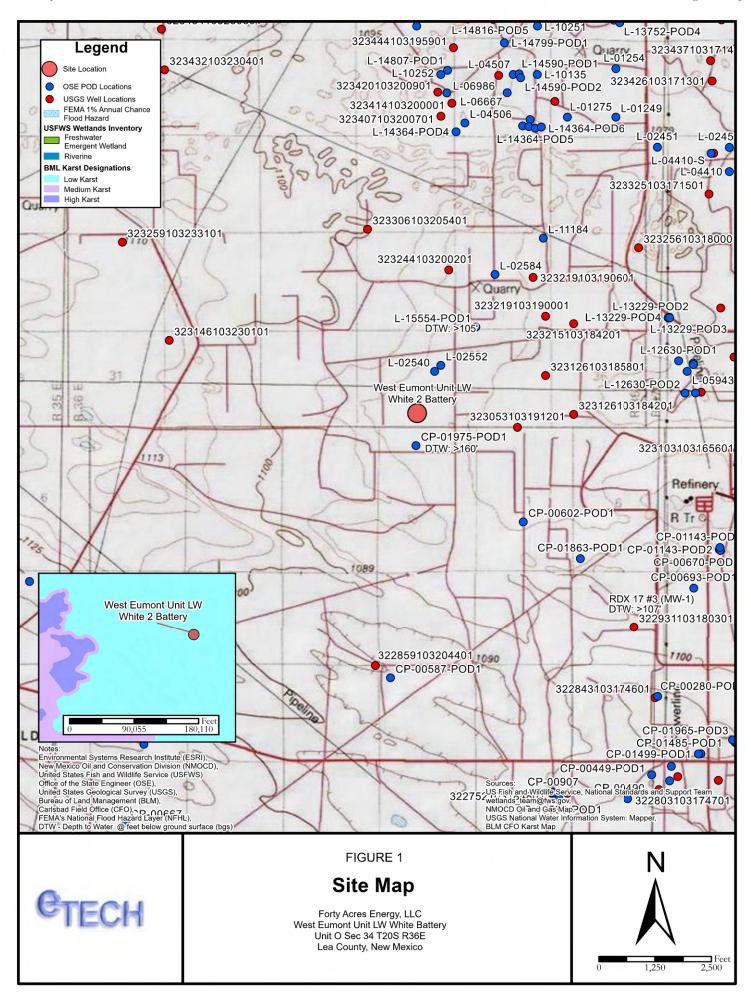
Appendix F Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix G NMOCD Notifications

APPENDIX A

Figures









APPENDIX B

Referenced Well Records





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

ION	OSE POD NO POD-1	. (WELL NO).)		WELL TAG ID NO. 213A19			OSE FILE NO(S	S).		
OCAT	WELL OWNE Clay Tom ()					PHONE (OPTIO	ONAL)		
GENERAL AND WELL LOCATION	WELL OWNE Box 6	ER MAILING	G ADDRESS					CITY Monument		STATE NM 88265	ZIP
è	NAME A		DE	GREES	MINUTES	SECONE)S				
[A]	WELL LOCATIO	N .	mymy yn e	32	31	09.6	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND	
ERAI	(FROM GP	S) E/A	TITUDE	103	20	24.7		1	QUIRED: WGS 84		
1. GEN	DESCRIPTIO	ON RELATIN	NG WELL LOCATION TO	STREET ADDRE	ESS AND COMMON	I LANDMAI	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
	LICENSE NO 183		NAME OF LICENSED		Boyd Coffey				NAME OF WELL DR	ILLING COMPANY Coffey Drilling	
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT) NA)				
Z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL (FT) NA						ELL (FT)				
T10	DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY:										
2. DRILLING & CASING INFORMATION	DRILLING METHOD:			HAMMER	HAMMER CABLE TOOL OTHER – SPECIFY:			R – SPECIFY:			
NFC	DEPTH (feet bgl) BORE HOLE		CASING N	MATERIAL AND	O/OR	C	ASING	CASING	CASING WALL	SLOT	
191	FROM	TO	DIAM		GRADE			NECTION	INSIDE DIAM.	THICKNESS	SIZE
NIS			(inches)		ach casing string, ections of screen)		T	YPE ling diameter)	(inches)	(inches)	(inches)
CA	0	20	10		PVC			bell	5	sdr 21	
S 5	20	100	8.75		PVC			bell	5	sdr 21	
TIN	100	120	8.75		PVC			bell	5	sdr 21	0.020
RIL	120	160	8.75		PVC			bell	5	sdr 21	
2. D											
	DEPTH	(feet bgl)	BORE HOLE	LIS	T ANNULAR SE	EAL MAT	ERIAL A	AND	AMOUNT	METHO	DD OF
AL	FROM	ТО	DIAM. (inches)	GRAV	EL PACK SIZE-	-RANGE I	BY INTE	RVAL	(cubic feet)	PLACE	
ERI	0	20	10		3/8 Benton	nite hole pl	lug		8	Pou	ır
IAT	20	160	8.75		3/8 pe	ea gravel			38	Pou	ır
IR I											
ANNULAR MATERIAL											
NN											
3. A											
FOR	OSE INTER	NAL USE						WR-20	0 WELL RECORD	& LOG (Version 04/3	30/19)

POD NO.

Released to Imaging: 12/22/2023 8:19:05 AM

FILE NO.

LOCATION

TRN NO.

WELL TAG ID NO. PAGE 1 OF 2

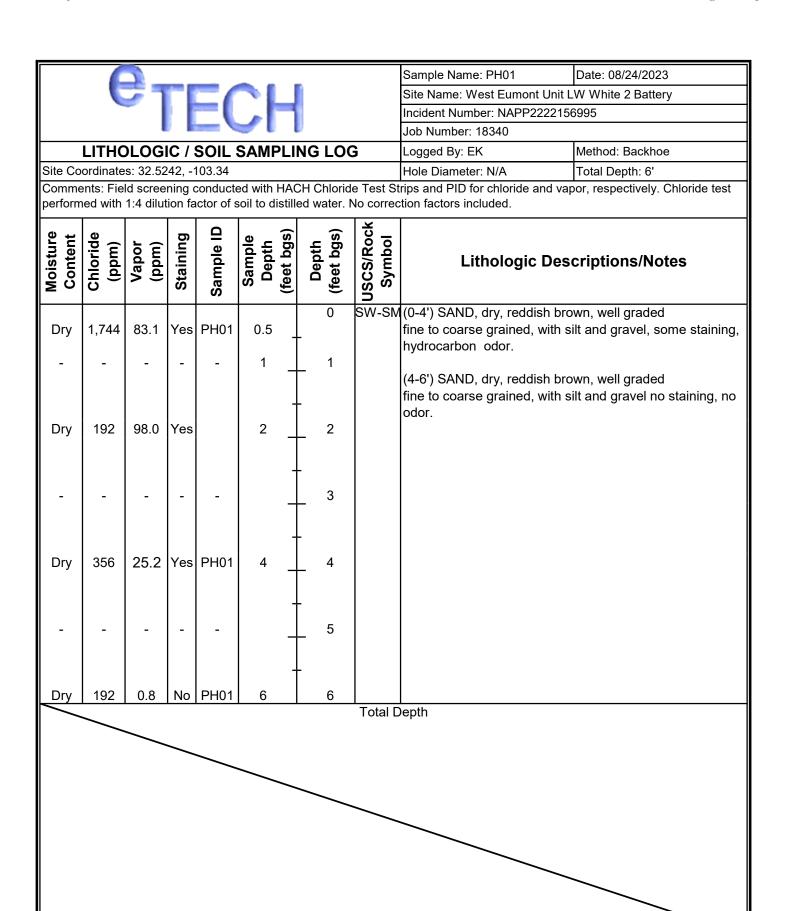
	DEPTH (1	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)		
			_	D 10 1 5 0 1	V ()	ZONES (gpill)		
	0	5	5	Red Sandy Top Soil	Y VN			
	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			
CL	108	160	52	Red Clay	Y ✓ N			
WE					Y N			
OF					Y N			
500					Y N			
1C 1					Y N			
007					Y N			
EO					Y N			
ROC					Y N			
4. HYDROGEOLOGIC LOG OF WELL					Y N			
4.1					Y N			
					Y N			
					Y N			
					Y N			
					Y N			
					Y N			
					YN			
	METHOD I	I ISED TO ES	TIMATE VIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED			
					WELL YIELD (gpm):	0.00		
	PUMI	РЦА	IR LIFT ✓	BAILER OTHER – SPECIFY:				
ION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE				
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION:					
PER								
3 SU								
; RIG								
EST	PRINT NAM	ME(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TE	IAN LICENSEE:		
5. T		(0) 01 2						
r.)	BY SIGNIN	G BELOW	, I CERTIFY TH	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR	EGOING IS A TRUE A	ND CORRECT		
URI	RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT TO WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.							
NAT								
6.		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE			
EOI	OSE INTER	NIAT LICE		WD 20 WEI	I RECORD & LOG (Ve	maiom 04/20/2010)		

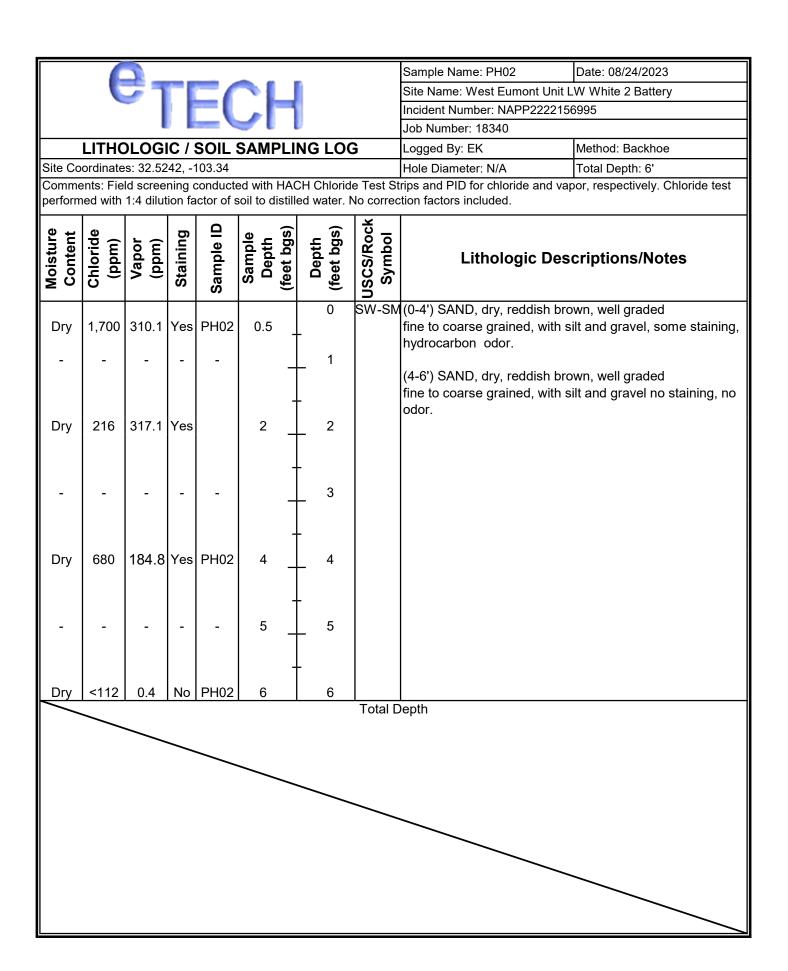
FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Vers	sion 04/30/2019)
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2

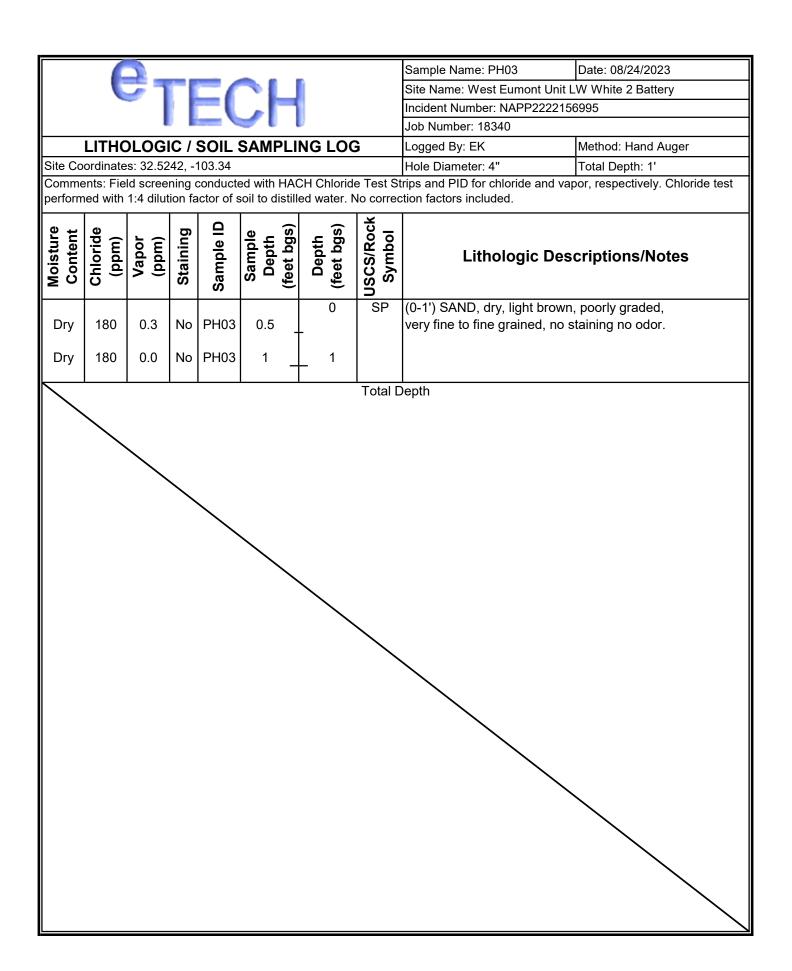
APPENDIX C

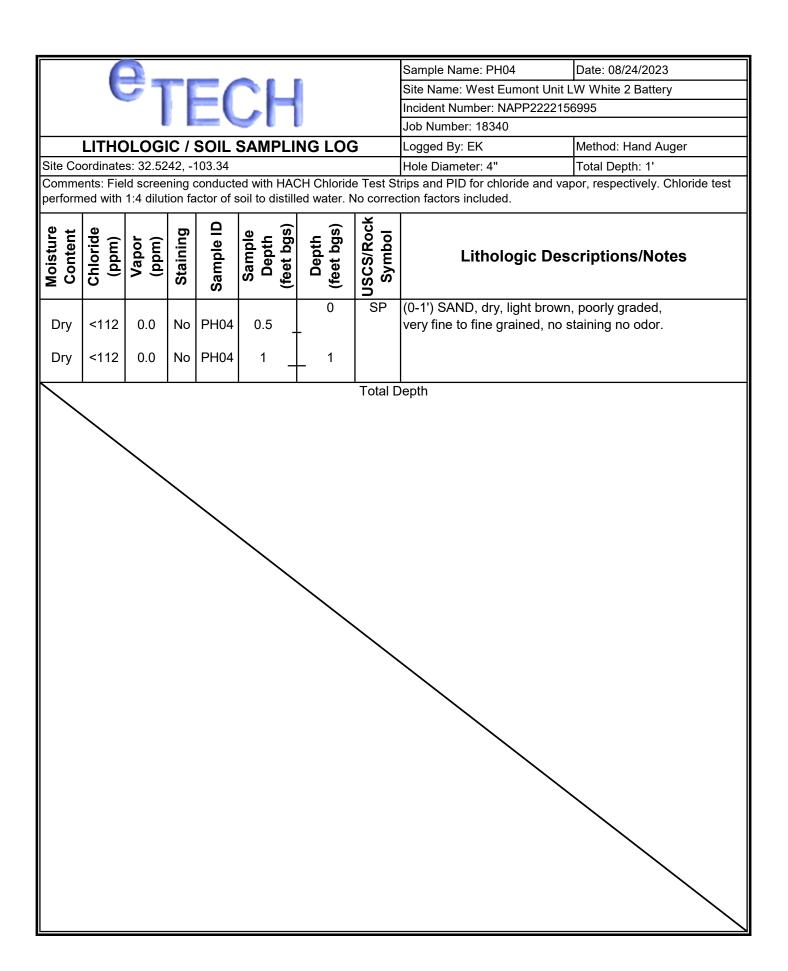
Soil Sampling Logs

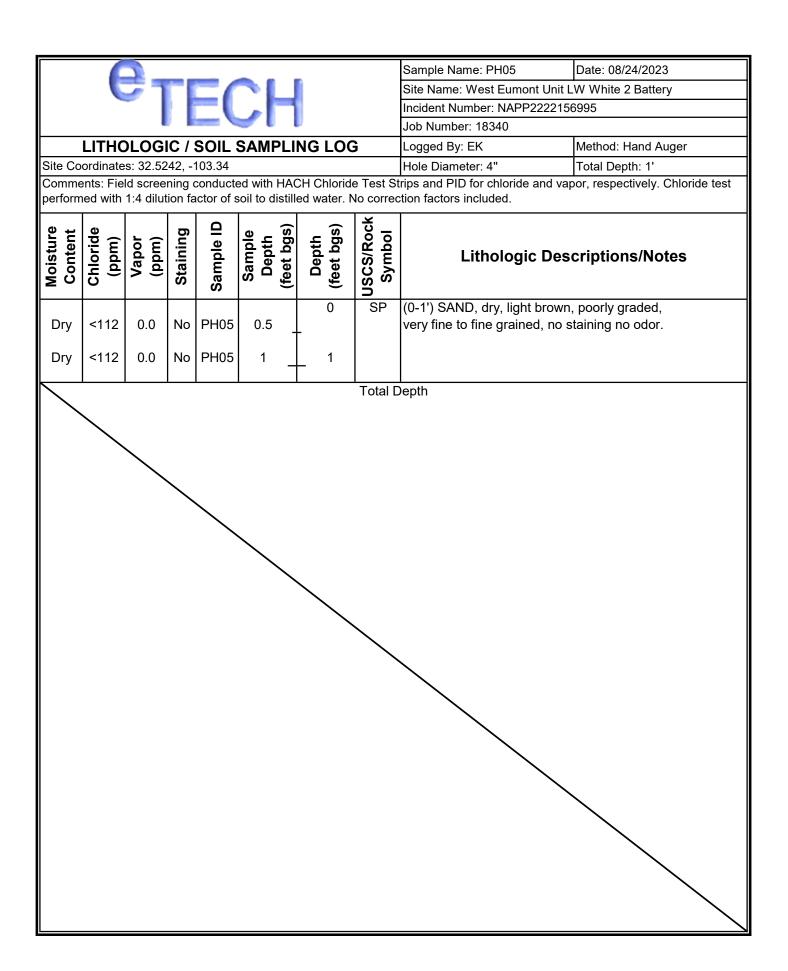


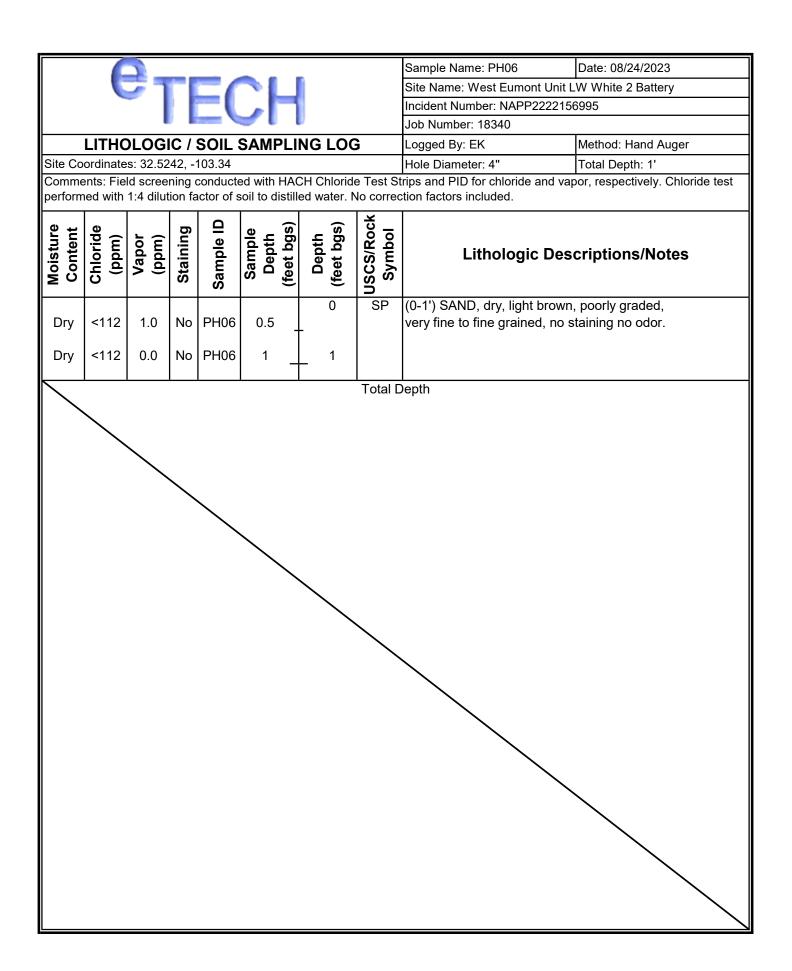












APPENDIX D

Photographic Log



eTECH

PHOTOGRAPHIC LOG

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



Photograph 1 Date: 08/07/2023

Description: Northeastern view during Site assessment acivities.

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





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

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

APPENDIX E

Tables





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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delineation So	oil Samples - Incident I	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:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation



Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308214

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308214

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 0.5'	5
PH01 4'	6
PH02 0.5'	7
PH02 4'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

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



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

PH01 0.5' E308214-01

Dilution	Prepared	Analyzed	Notes
Analyst: IY	7		Batch: 2335027
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
1	08/28/23	08/30/23	
30	08/28/23	08/30/23	
Analyst: IY	7		Batch: 2335027
1	08/28/23	08/30/23	
30	08/28/23	08/30/23	
Analyst: Kl	M		Batch: 2335067
100	08/30/23	08/31/23	
100	08/30/23	08/31/23	
00	08/30/23	08/31/23	
Analyst: B	A		Batch: 2335038
1	08/29/23	08/30/23	
	1 1 1 1 1 1 1 1 30 Analyst: IY 1 30 Analyst: K 100 100	1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 1 08/28/23 2 08/28/23 2 Analyst: IY 2 08/28/23 2 Analyst: KM 2 08/30/23 2 Analyst: KM 2 08/30/23 30 08/30/23 30 08/30/23 30 Analyst: BA	1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 1 08/28/23 08/30/23 30 08/28/23 08/30/23 Analyst: IY 1 08/28/23 08/30/23 Analyst: KM 100 08/30/23 08/31/23 100 08/30/23 08/31/23 Analyst: BA



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

PH01 4' E308214-02

		1500214 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	
oluene	ND	0.0250	1	08/28/23	08/30/23	
-Xylene	ND	0.0250	1	08/28/23	08/30/23	
,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	Analy	yst: IY		Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
urrogate: 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	Analy	yst: 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	
urrogate: n-Nonane		91.9 %	50-200	08/30/23	08/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335038
Chloride	841	20.0	1	08/29/23	08/30/23	



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

PH02 0.5' E308214-03

		E300214-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Allatyzeu	riotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2335027
Benzene	0.0324	0.0250	1	08/28/23	08/31/23	
Ethylbenzene	1.56	0.0250	1	08/28/23	08/31/23	
Toluene	0.286	0.0250	1	08/28/23	08/31/23	
o-Xylene	2.43	0.0250	1	08/28/23	08/31/23	
p,m-Xylene	3.51	0.0500	1	08/28/23	08/31/23	
Total Xylenes	5.94	0.0250	1	08/28/23	08/31/23	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	08/28/23	08/31/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	99.3	20.0	1	08/28/23	08/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	08/28/23	08/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	1240	20.0	1	08/29/23	08/30/23	



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

PH02 4' E308214-04

		1500214 04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	t: 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	
oluene	0.0840	0.0250	1	08/28/23	08/31/23	
-Xylene	0.296	0.0250	1	08/28/23	08/31/23	
,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	
iurrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/28/23	08/31/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2335027
Gasoline Range Organics (C6-C10)	36.9	20.0	1	08/28/23	08/31/23	
urrogate: 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	Analys	t: 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	Analys	t: BA		Batch: 2335038
Chloride	576	20.0	1	08/29/23	08/30/23	



Forty Acres Energy, LLC West Eumont Unit #417 Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 3:47:55PM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335027-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2335027-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.61 5.00 92.2 70-130 0.0250 Benzene Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.94 70-130 0.0250 5.00 98.8 Toluene 5.09 102 70-130 o-Xylene 0.0250 5.00 10.1 10.0 101 70-130 0.0500 p,m-Xylene 101 70-130 15.2 0.0250 15.0 Total Xylenes 8.00 93.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.44 Source: E308209-02 Matrix Spike (2335027-MS1) Prepared: 08/28/23 Analyzed: 08/30/23

Matrix Spike Dup (2335027-MSD1)				Source:	E308209-0	02	Prepared: 08/28/23 Analyzed: 08/30/23
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130	
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131	
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131	
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131	
Toluene	4.35	0.0250	5.00	ND	87.0	61-130	
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133	
Benzene	4.07	0.0250	5.00	ND	81.3	54-133	

Matrix Spike Dup (2335027-MSD1)	Source:	Source: E308209-02			Prepared: 08/28/23 Analyzed: 08/30/2				
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			

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

Nonhalogenated	Organics	by EPA	8015D - GRO
----------------	----------	--------	-------------

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Lillit	Level	Result	Rec	Limits	KI D	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			



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

Odessa 1X, /9/65		Project Manager	r: Er	ck Herrera					9/1/2023 3:4/:33PW
	Nonha	logenated Or	ganics 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							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: 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			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 A	analyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	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	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			



Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager	2	West Eumont U 23007-0001 Erick Herrera	nit #417				Reported: 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

	mg/kg	mg/kg	mg/kg	mg/Kg	%	%	%	%	Notes
Blank (2335038-BLK1)							Prepared: 08	3/29/23	Analyzed: 08/30/23
Chloride	ND	20.0							
LCS (2335038-BS1)							Prepared: 08	3/29/23	Analyzed: 08/30/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335038-MS1)				Source:	E308134-0	1	Prepared: 08	3/29/23	Analyzed: 08/30/23
Chloride	419	20.0	250	162	103	80-120			
Matrix Spike Dup (2335038-MSD1)				Source:	E308134-0	1	Prepared: 08	3/29/23	Analyzed: 08/30/23
Chloride	417	20.0	250	162	102	80-120	0.358	20	

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Client: Forty Acres Energy, LLC.						Bill To				i		La	b Us	e On	Ŋ		Τ'''	_	1	AT		EPA P	rogram
Project: West Eumont Unit #417									Lab WO#				Job Number		10	20	30	\$1	tandard	CWA	SDWA		
Project Manager: Erick Herrera				_	Address: 13000 W County Rd 100				E308214			4	230070001					5	day TAT		 -		
Address: 13000 W County Rd 100					City, State, Zip_Odessa,TX, 79765						•	`	Analysis and Method									RCRA	
City, State, Zip_Odessa,TX, 79765						Phone: (432)563-2200				1	£			Ţ			Т	T					<u></u>
Phone: (2	281)777-4152					Email:				1	8			1 .	. [1	1]		1	<u> </u>	State	
Email: erick@etechenv.com, joseph@etechenv.com					m	WO: N/A				1	ğ	_		l _ }	2	- 1	. ₹			1	NM CO	UT AZ	TX
Collected by: Edyte Konan					Incident ID: nAPP2222156995				1 🚓	GRO/DRO/ORO by	8	by 8260	ğ	300.0	1			ř	l				
Time Sampled	Date Sampled	Materix	No. of Containers	Sample ID				Lab Number	Oesth (ft.)	TPH GRC 8015	BITEX by	VOC by	Metals 6010	Chlorida		96000		98			Remark	i	
10:00	8/24/2023	S	1		PHOI					0.5			- -			\top	X	—					
10:10	8/24/2023	S	1		PH01				2	4'							X						
10:30	8/24/2023	5	1		РНО2				3	0.5'							X						
10:40	8/24/2023	S	1		PHO2				4	4'							X						
						-										X	-		T				
						•	144																
																			L	L			· -
	_								l														
																	Γ	T				•	
Addition	al Instruction	ns:					•											•			<u> </u>		
	pler), attest to the r of collection is co			-			ampering with or in Sample	rtentionally mislabelling ed by:	the sample location	20 ,											en bott an no b		-
Relinquished by: [Signature] Date Rms			Rms 15500	Received by: (Signature) Michelle Gonzale,		08-25-23	1500			Leb Use Only Received on ice: (Y) / N													
Relinquished by (Signature) Date Time MICHEUE GONZALES 08-25-23 1		170	Recorded by: (Signatura) Date / /		8/28/2	23	Time			¥1			72	יייש			T3						
					Rme		Time			AVG Temp °C4													
Sample Mar	tris: S - Soll, Sd - Sc	old, Se - Shut	ge, A · Aque	ous, O · Other					Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note Sam	ples are discard	ed 30 days	after result	s are reporte	ed unless	other arr	angements are m	nade. Hezardous ser	riples will be retu	rned t	o cile	t or d	koos	ed of a	t the	Rent ex	MODE A	The	19001	t for H	he enabels o	of the abov	m samoles le
!!	.auk.laihainee	males rece	had but the	Inhoratoru	with this f	or the	liability of the lat	hazaton is finited to	the amount oak	d Bas a	a tha .												



envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23 (09:55	Work Order ID:	E308214
Phone:	(281) 777-4152	Date Logged In:	08/28/23 1	10:20	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
CI.	(G + 1 (G)G)					
	f Custody (COC)		37			
	the sample ID match the COC? the number of samples per sampling site location matc	h the COC	Yes			
	samples dropped off by client or carrier?	in the COC	Yes	0 : 0 :		
	ne COC complete, i.e., signatures, dates/times, request	ed analysees?	Yes Yes	Carrier: Courier		
	all samples received within holding time?	ed analyses:	Yes			
J. WOIC	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103		Comment	ts/Resolution
	<u>Turn Around Time (TAT)</u>					
6. Did th	e 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 th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	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			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La						
	e field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation					
	the COC or field labels indicate the samples were pre-	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator	y?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
<u> </u>						

Date

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

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308211

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308211

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

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

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



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

PH01 6' E308211-01

Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: 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	
	93.7 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Analyst: IY			Batch: 2335027
ND	20.0	1	08/28/23	08/30/23	
	85.0 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	An	Analyst: KM		Batch: 2335067
ND	25.0	1	08/30/23	08/31/23	
ND	50.0	1	08/30/23	08/31/23	
	94.8 %	50-200	08/30/23	08/31/23	
mg/kg	mg/kg	An	alyst: BA		Batch: 2335039
107	20.0	1	08/29/23	08/31/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 85.0 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 94.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg An ND 20.0 1 85.0 % 70-130 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 94.8 % 50-200 mg/kg mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0500 1 08/28/23 ND 0.0250 1 08/28/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 mg/kg mg/kg Analyst: KM ND 25.0 1 08/30/23 ND 25.0 1 08/30/23 ND 50.0 1 08/30/23 ND 50.0 1 08/30/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 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 ND 0.0250 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: KM ND 25.0 1 08/30/23 08/31/23 ND 25.0 1 08/30/23 08/31/23 ND 50.0 1 08/30/23 08/31/23 ND 50.0 1 08/30/23 08/31/23 ND 50.0 1 08/30/23 08/31/23 M



QC Summary Data

	~	•	
Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	Reported:
13000 W County RD 100	Project Number:	23007-0001	·
Odessa TX, 79765	Project Manager:	Erick Herrera	9/1/2023 3:46:55PM
	Volatile Orga	mics by EPA 8021B	A colont IV

Odessa TX, 79765		Project Number: Project Manager:		rick Herrera					9/1/2023 3:46:55PM
		Volatile O	rganics	by EPA 802	1B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	111111111111111111111111111111111111111
,	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2335027-BLK1)							Prepared: 0	8/28/23 An	nalyzed: 08/30/23
Benzene	ND	0.0250					Tropulsus o	0,20,20 111	, 2001 0 0 / 2 0 / 2 0
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 An	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 An	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 An	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	<u> </u>	8.00		92.8	70-130			<u> </u>

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

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

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				Ģ	9/1/2023 3:46:55PM		
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20			

8.00

6.97

87.1

70-130

QC Summary Data

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

Odessa 1X, /9/65		Project Manager	r. En	ck Herrera					9/1/2023 3:40:33PW
	Nonha	logenated Or	ganics 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							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: 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			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 A	nalyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	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	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			



Matrix Spike Dup (2335039-MSD1)

Chloride

662

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manager	: 23	Vest Eumont U 3007-0001 rick Herrera	nit #417				Reported: 9/1/2023 3:46:55PM
		Anions	by EPA 3	300.0/90 5 6 <i>£</i>	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 A	nalyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-	01	Prepared: 0	8/29/23 A	nalyzed: 08/31/23
Chloride	699	20.0	250	412	114	80-120			

250

20.0

Source: E308208-01

100

80-120

5.33

412

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.



Prepared: 08/29/23 Analyzed: 08/31/23

20

Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Received by OCD: 10/13/2023 7:54:41 AM



envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55		Work Order ID:	E308211
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:17		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)		86	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C,	ie 6°+2°C	Yes				
12,	Note: Thermal preservation is not required, if samples are minutes of sampling		103				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample C	Container_						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	pel						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
	Preservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client Ir	nstruction						
<u>Chent II</u>	1911 uction						

Date

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

Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308212

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308212

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH02 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	West Eumont Unit #417	Donoutode
١	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/01/23 15:50

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



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

PH02 6' E308212-01

		E300212-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: IY		Batch: 2335027
Benzene	ND	0.0250	1	08/28/23	08/30/23	
thylbenzene	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	
,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		92.2 %	70-130	08/28/23	08/30/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335027
asoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	08/28/23	08/30/23	
Onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2335067
riesel 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		92.0 %	50-200	08/30/23	08/31/23	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335039
Chloride	68.3	20.0	1	08/29/23	08/31/23	



Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Forty Acres Energy, LLC West Eumont Unit #417 Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 3:50:56PM **Volatile Organics by EPA 8021B** Analyst: IY Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335027-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2335027-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.61 5.00 92.2 70-130 0.0250 Benzene Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.94 70-130 0.0250 5.00 98.8 Toluene 5.09 102 70-130 o-Xylene 0.0250 5.00 10.1 0.0500 10.0 101 70-130 p,m-Xylene

Matrix Spike (2335027-MS1)				Source:	E308209-	02	Prepared: 08/28/23 Analyzed: 08/30/23
Benzene	4.07	0.0250	5.00	ND	81.3	54-133	
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133	
Toluene	4.35	0.0250	5.00	ND	87.0	61-130	
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131	
o,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	

15.0

8.00

15.2

7.44

0.0250

101

93.0

70-130

70-130

Matrix Spike Dup (2335027-MSD1)				Source: E308209-02			Prepared: 08/28/23 Analyzed: 08/30/23		/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

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

Nonhalogenated	Organics b	v EPA	8015D -	GRO
	0 - 8	,		

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

	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 Anal	yzed: 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 Anal	yzed: 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:	E308209-0	02	Prepared: 0	8/28/23 Anal	lyzed: 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:	E308209-0	02	Prepared: 0	08/28/23 Anal	lyzed: 08/30/23
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			



QC Summary Data

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

Odessa 1X, /9/65		Project Manager	r: Er	ck Herrera					9/1/2023 3:30:36PIV
	Nonha	logenated Or	ganics by l	EPA 8015I	O - 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							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: 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			
urrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2335067-MS1)				Source:	E308211-0)1	Prepared: 0	8/30/23 A	nalyzed: 08/31/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	43.9		50.0		87.9	50-200			
Matrix Spike Dup (2335067-MSD1)				Source:	E308211-0)1	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	
urrogate: n-Nonane	46.6		50.0		93.2	50-200			

Chloride

Chloride

Matrix Spike Dup (2335039-MSD1)

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manager	: 2	Vest Eumont U 3007-0001 rick Herrera	nit #417				Reported: 9/1/2023 3:50:56PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				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 Ar	nalyzed: 08/31/23
Chloride	ND	20.0							
LCS (2335039-BS1)							Prepared: 0	8/29/23 Ar	nalyzed: 08/31/23
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2335039-MS1)				Source:	E308208-	01	Prepared: 0	8/29/23 Ar	nalyzed: 08/31/23

250

250

20.0

20.0

662

412

412

114

100

Source: E308208-01

80-120

80-120

5.33

Prepared: 08/29/23 Analyzed: 08/31/23

20

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Client: E	orty Acres En	erry HC				1.	Bill To		· · · · · · · · · · · · · · · · · · ·	Γ			Lab (Jse O	nly			Т		Ť	ΆΤ		EPA P	rogram
******	West Eumont					Attor	ntion: Etech Environmental & Safe	n Sal	uttons Inc	Lab	WO				_	nber		1D	20	30	St	tandard	CWA	SDWA
	Manager: Eric						ess: 13000 W County Rd 100		original fire.		301		17	23	200	7-a	וכנ		1		5	day TAT		
	13000 W Cor				_		State, Zip_Odessa,TX, 79765			-						nd M		ď						RCRA
	te, Zip_Odess					1	e: (432)563-2200			┪	à	T	T	┱	Ť	Τ	T	Π	Γ	T	\Box	1		
	281)777-4152					Emai				1	Ş		-		1		İ	l			1		State	
	ick@etechen		senh@et	echeny cr	100	WO:				1	l§	L	. .		9	Į	l	Σ		1		NM CO	UT AZ	TX
	by: Edyte Ko		зерпе-е-		""		ent ID: nAPP2222156995			۱_	ĮĘ.	2	9	8	900		l	t						
Time	oy. Loyle Ke			1	.	Interes	ent to. HAFF2222130333	Tu	b Number	투	18	ã	· 🚡	. 💃	\$	1	l	Įβ	-	l×			D	
Sampled	Date Sampled	Matrix	to of Contament	Sample II) 	:			30 114.1154	Depth(ft.)	TPH GRO/DRO/CRO by 8015	BTEK by 8021	VOC by 8260	Metals 6010	Chloride	_	<u> </u>	80000	L	ğ	丄	<u> </u>	Remarks	·
10:50	8/24/2023	S	1				PH02			6'					L			X		L	_			
																								_
						· ········		_	***************************************		✝	H	\top	\top				 	Γ	Τ	П			
								\perp		<u> </u>	<u> </u>	<u> </u>	4	<u></u>	1_	<u> </u>	_	ļ	<u> </u>	ļ	╙			
			j	1							-	Γ						ĺ						
								-			┢	┞	╫	+	╅	\vdash	-	 	\vdash	 	\vdash	 		
_				İ			171				_	L		$oldsymbol{\perp}$		_	<u> </u>	ļ	L			ļ		,
											1		1							<u>.</u> .				
										-			T	1										
								+			┢	┢	+	+	-		 - -		-	╁	一			
					<u>-</u>						ㄴ	L	\bot	<u> </u>	ļ	<u> </u>		ļ	ļ	<u> </u>	ļ'	 		
															l									
Addition	al Instruction	5:		<u> </u>										-										
							impering with or intentionally mislabell Samuled by:	ing the	sample locati	on,					-	-	-					d on the the day sen 6 °C on subs		
	of collection is con		Date	- Entrares to	Time		Received by: (Signature)	jo.	Ite	.	Rme			1				Ls	b U	se Oi	nlv		,	
weardnaue	d by: (Stenature)	,	08	125123	15:00	<u> </u>	<u>Michelle Gonzales</u>	\perp	08-25-2	3	_1	50	0	Rec	elve	d on i	ce:)/ 1					
Retinguishe	d by: (Signature) helle Gon	zales	Date OS	-25-23	Tame 1700		alle Mon	8	1/28/2	3	11mo	· 5	2	TI				T2				<u>T3</u>		
	d by: (Signature)		Date	<u> </u>	Time		leceived by: (Signature)	De			Time			AV	3 Ter	np °C		<u> </u>			_			
Comple Mate	b: S - Sall, Sd - Sal	-1 Co - 53-de	l	us. O - Other	L			a	ontainer Ty	pe: g	- glas	3, p	- pol						v-V	OA				
Note, Samo	les are discarded	1 30 days a	fter results	are reports	d unless o	ther arra	angements are made. Hazardous s	umple	s will be reti	urned	to cli	ent c	or disp	osed	of at I	he cle	nt ex	pense	. Th	перо	rt for	the analysis	of the ab	ve samples
applicable o	only to those san	npies receh	red by the	laboratory v	with this Cl	OC. The I	kability of the laboratory is limited	to the	amount pal	d for	en in	teb	ort,											



envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308212
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:18	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)	66 /	
	Custody (COC)					
	he sample ID match the COC?	tab tha COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	atad amalyzasa?	Yes Yes	Carrier: Courie	<u>er</u>	
	ne COC complete, i.e., signatures, dates/times, reque all samples received within holding time?	sted allalyses:	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	ies		<u>Commen</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?					
	he sample received on ice? If yes, the recorded temp is 4°C.		NA			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 4	<u> </u>			
_	Container equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA 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	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceteur	168			
	field sample labels filled out with the minimum info	ormation:				
	Sample ID?	ormation.	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		No			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborate	orv?	No			
	a subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA		
	nstruction					
CHERT	<u>nstruction</u>					

Date

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

Report to:
Erick Herrera





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: West Eumont Unit #417

Work Order: E308209

Job Number: 23007-0001

Received: 8/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/1/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: West Eumont Unit #417

Workorder: E308209

Date Received: 8/28/2023 9:55:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative Office: 505-421-LABS(5227)

Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH03 0.5'	5
PH03 1'	6
PH04 0.5'	7
PH04 1'	8
PH05 0.5'	9
PH05 1'	10
PH06 0.5'	11
PH06 1'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc	18

Sample Summary

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



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

PH03 0.5' E308209-01

	E300207-01				
Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: BA		Batch: 2335038
115	20.0	1	08/29/23	08/30/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 86.0 % mg/kg MD 25.0 ND 50.0 98.8 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.0 % 70-130 mg/kg mg/kg An ND 20.0 1 86.0 % 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 98.8 % 50-200 mg/kg mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0500 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 mg/kg mg/kg/23 08/28/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 ND 50.0 1 08/30/23 ND 50.0 1 08/30/23 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 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 0.0500 1 08/28/23 08/30/23 ND 0.0250 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IV ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 Mg/kg mg/kg



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

PH03 1'

		E308209-02				
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	
o-Xylene	ND	0.0250	1	08/28/23	08/30/23	
p,m-Xylene	ND	0.0500	1	08/28/23	08/30/23	
Total Xylenes	ND	0.0250	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: 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	yst: 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	Anal	yst: BA		Batch: 2335038
Chloride	115	20.0	1	08/29/23	08/30/23	



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

PH04 0.5' E308209-03

		E306209-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Timiye	resuit	- Emili	Bilation	Trepared	7 mary 200	rotes
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	
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	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		86.3 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: BA		Batch: 2335038
Chloride	21.2	20.0	1	08/29/23	08/30/23	·



Chloride

Anions by EPA 300.0/9056A

Sample Data

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

PH04 1' E308209-04

Reporting							
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	IY		Batch: 2335027
Benzene	ND	0.0250	1	1	08/28/23	08/30/23	
Ethylbenzene	ND	0.0250	į	1	08/28/23	08/30/23	
Toluene	ND	0.0250	į	1	08/28/23	08/30/23	
o-Xylene	ND	0.0250	į	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	į	1	08/28/23	08/30/23	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130		08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130		08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2335061
Diesel Range Organics (C10-C28)	ND	25.0		1	08/30/23	08/30/23	
Oil Range Organics (C28-C36)	ND	50.0	İ	1	08/30/23	08/30/23	
Surrogate: n-Nonane		85.0 %	50-200		08/30/23	08/30/23	

mg/kg

ND

20.0

Analyst: BA

08/29/23

1



Batch: 2335038

08/30/23

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

PH05 0.5' E308209-05

	E500207 05				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: 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	
	91.7 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2335027
ND	20.0	1	08/28/23	08/30/23	
	87.7 %	70-130	08/28/23	08/30/23	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2335061
ND	25.0	1	08/30/23	08/30/23	
ND	50.0	1	08/30/23	08/30/23	
	89.4 %	50-200	08/30/23	08/30/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2335038
26.6	20.0	1	08/29/23	08/30/23	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 87.7 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 89.4 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.7% 70-130 mg/kg mg/kg Ana ND 20.0 1 87.7% 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 89.4% 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0250 1 08/28/23 ND 0.0500 1 08/28/23 ND 0.0250 1 08/28/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 mg/kg mg/kg/23 08/28/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 ND 50.0 1 08/30/23 ND 50.0 1 08/30/23 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 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 ND 0.0250 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: IY ND 20.0 1 08/28/23 08/30/23 mg/kg mg/kg Analyst: JL ND 25.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 ND 50.0 1 08/30/23 08/30/23 ND 50.0 <



Chloride

Sample Data

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

PH05 1'

E308209-06 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: IY Batch: 2335027 mg/kg mg/kg Volatile Organics by EPA 8021B 08/28/23 08/30/23 ND 0.0250 Benzene 1 08/28/23 08/30/23 Ethylbenzene ND 0.0250ND 0.025008/28/23 08/30/23 Toluene 1 08/28/23 08/30/23 o-Xylene ND 0.02501 08/28/23 08/30/23 ND 0.0500 p,m-Xylene 08/28/23 08/30/23 1 Total Xylenes ND 0.025092.0 % 08/28/23 08/30/23 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: IY Batch: 2335027 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 08/30/23 ND 20.0 1 08/28/23 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 86.3 % 08/28/23 08/30/23 70-130 mg/kg mg/kg Analyst: JL Batch: 2335061 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 08/30/23 08/30/23 Diesel Range Organics (C10-C28) 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 Analyst: BA Batch: 2335038 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

08/29/23

08/30/23

ND



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

PH06 0.5' E308209-07

		E300207-07				
Analyte	Result	Reporting 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	
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		91.6 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: IY			Batch: 2335027
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/23	08/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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		96.7 %	50-200	08/30/23	08/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



Sample Data

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

PH06 1'

		E308209-08				
		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		91.4 %	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		85.9 %	70-130	08/28/23	08/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: BA		Batch: 2335038
Chloride	ND	20.0	1	08/29/23	08/30/23	



QC Summary Data

West Eumont Unit #417 Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/1/2023 1:42:24PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335027-BLK1) Prepared: 08/28/23 Analyzed: 08/30/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2335027-BS1) Prepared: 08/28/23 Analyzed: 08/30/23 4.61 92.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 102 o-Xylene 5.09 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 93.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.44 Matrix Spike (2335027-MS1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23 4.07 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.32 0.0250 5.00 86.4 Toluene 4.35 0.0250 5.00 ND 87.0 61-130 4.47 ND 89.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.92 0.0500 10.0 ND 89.2 63-131 13.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.43 8.00 Matrix Spike Dup (2335027-MSD1) Source: E308209-02 Prepared: 08/28/23 Analyzed: 08/30/23

4.18

4.44

4 48

4.66

9.18

13.8

7.42

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

83.6

88.7

89.6

93.1

91.8

92.2

92.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

2.69

2.62

2 91

4.02

2.79

3.20

20

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

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

Odessa TX, 79765		9/1/2023 1:42:24PM								
	Non	Analyst: IY								
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2335027-BLK1)							Prepared: 0	8/28/23 Anal	yzed: 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 Anal	yzed: 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	repared: 08/28/23 Analyzed: 08/30/23		
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0	ND	78.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.2	70-130				
Matrix Spike Dup (2335027-MSD2)				Source:	E308209-	02	Prepared: 0	8/28/23 Anal	yzed: 08/30/23	
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.4	70-130	7.60	20		

8.00

6.97

87.1

70-130

QC Summary Data

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

	ılyst: JL
RPD Limit	
%	Notes
30/23 Analyzed	1: 08/30/23
30/23 Analyzed	1: 08/30/23
30/23 Analyzed	1: 08/30/23
30/23 Analyzed	1: 08/30/23
20	
	% 30/23 Analyzec 30/23 Analyzec 30/23 Analyzec



Matrix Spike Dup (2335038-MSD1)

Chloride

417

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manage	: 2	Vest Eumont U 3007-0001 rick Herrera	nit #417				Reported: 9/1/2023 1:42:24PM	
		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 (2335038-BLK1)							Prepared: 0	8/29/23 Aı	nalyzed: 08/30/23	
Chloride	ND	20.0								
LCS (2335038-BS1)							Prepared: 0	8/29/23 Aı	nalyzed: 08/30/23	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2335038-MS1)			Source: E308134-0			01	Prepared: 0	08/29/23 Analyzed: 08/30/23		
Chloride	419	20.0	250	162	103	80-120				

250

20.0

Source: E308134-01

102

80-120

0.358

162

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.



Prepared: 08/29/23 Analyzed: 08/30/23

20

Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Fo	rty Acres Ene	rev IIC			1 1	Bill To		1	_	1.	ab U	se Or	ilv			Γ		T	TAT		EPA P	rogram
Project: \	West Eumont	Linit 841	,				Calabana Inc	126	WO				Num	ber		10	2D	3D	Si	andard	CWA	SDWA
	Manager: Erick					Attention: Etech Environmental & Safety Solutions, Inc. D Address: 13000 W County Rd 100		F.	Lab WO# E308209		10					_	Ι		day TAT			
Address:	13000 W Cou	nty Rd 16	<u> </u>			ry, State, Zip_Odessa,TX, 79765		 	217.5		4 -	Anab	Mis at	nd Me	thoc	<u>-</u>				Τ		RCRA
City, Stat	e, Zip_Odessa	TY 797	55			one: (432)563-2200		 	1		1	1	1			<u> </u>	1	T	Т	1		T
Phone: 1	281)777-4152	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			→ ⊢	nall:	 -	1	စ္စ			1		l 1	ŀ			ĺ			State	
	ick@etechem		senh@s	tacheny co		O: N/A		1	18	l _		1				ş	ľ			NM CO	UT AZ	TX
Collected	by: Edyte Ko	Dan	e pries e	teenenv.ce		cident ID: nAPP2222156995		1_	ē	🗟	1 38	18	300			2	İ	*				
Time		11011		T	1111	LIGERT ID. 100FF2222130333	Lab Number	분	8	Ā	ã	ž	į			ĮΫ		l y			0	
Sampled	Date Sampled	Matrix	No of Containe	Sample II)			Depth(ft.)	TPH GRD/DRO/ORO by 8015	BTEX 54 5021	VOC 5y 8260	Metah 6010	Chloride			BGDOC		ğ	igspace		Remarks	<u>.</u>
11:00	8/24/2023	S	1			РН03	1	0.5		_						x						
11:10	8/24/2023	5	1			PH03	2	1'			<u> </u> _					X			_	<u></u>		
11:20	8/24/2023	s	1	_		РН04	3	0.5'								x			L			
11:30	8/24/2023	\$	1			PH04	4	1'								×		_	L			
11:40	8/24/2023	s	1			PH05	5_	0.5'			L					X		_				<i>,</i>
11:50	8/24/2023	S	1			PHOS	0	1'								X						
12:00	8/24/2023	s	1			PH06	7	0.5								X						
12:10	8/24/2023	5	1			PH06	8_	1'								×						
						1914		_				-		1								
Addition	nal Instruction	ns:																				
1	pler), attest to the					ust tampering with or intentionally misfabelling Sampled by:	the sample locat	ion,												on los the day on 6 °C on subs		
	ed by: [Şignatur		0.		Tierres	Received by: (Signature)	Date		Titne			Γ.				نا	b U	se Or	nly			
	100		0	8125123	15:00	Michelle Gonzales	08-25-2		1:	500		Rec	elved	on ic	œ:	Y)/ N	1				
			1700	Calle Mas	8/28/2	23	9	ى:	3	ת די			~	тэ								
	ed by: (Signatur		D	te	Time	Received by: (Signature)	Date		Time			AVG Temp °C										
Sample Ma	trix: S - Sod, Sd - Se	stat Ser - State	Me. A - Ao	yeous, O - Othe	·		Container Ty	Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Ser	oles are discard	ed 30 days	after resi	its are report	ed unless other	arrangements are made. Hazardous sa	mples will be re	turnec	to cli	ent o	r disp								nt for	the analysis	of the abo	we samples
applicable	only to those H	imples rece	ived by E	e laboratory	with this COC.	The flability of the laboratory is limited to	the amount pa	ld for	on the	e teb	ort											



envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Forty Acres Energy, LLC	Date Received:	08/28/23	09:55	Work Order ID:	E308209
Phone:	(281) 777-4152	Date Logged In:	08/28/23	10:16	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/01/23	17:00 (4 day TAT)		
	Custody (COC)					
	he sample ID match the COC?	tab the COC	Yes			
	he number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	atad amalyzana?	Yes Yes	Carrier: Courier	• •	
	ne COC complete, i.e., signatures, dates/times, reque	sted allalyses?	Yes			
J. Wele a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	ies		<u>Comment</u>	ts/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	s, were custody/security seals intact?		No			
			NA			
	he sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 4	<u> </u>			
_	Container equeous 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	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceicu:	103			
	field sample labels filled out with the minimum info	armation:				
	Sample ID?	mation.	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		No			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	camples required to get sent to a subcontract laborate	rv?	No			
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
	nstruction					
Chent I	<u>nstruction</u>					

Date

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

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>

Sent: Thursday, August 17, 2023 9:22 AM

To: Erick Herrera

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

Good morning Erick,

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

Thank you,

Shelly

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

http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com> Sent: Thursday, August 17, 2023 8:11 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Ryan Swift <ryan@faenergyus.com>; James Martinez <james@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; Anna Byers <anna@etechenv.com>; Gilbert Moreno <gilbert@etechenv.com>

Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 8/22 - 8/25/23

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 22nd through August 25th.

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: West Eumont Unit #417/LW2 Battery

Incident Number: nAPP2222156995

API#: 30-025-44254

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: State WE H Battery Incident Number: nAPP2321636998

API#: 30-025-03372

Proposed Date: August 22, 2023, August 23, 2023, August 24, 2023, August 25, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: Atlantic State #003 Incident Number: nAPP2321654246

API#: 30-025-03508

Thank you,

Erick Herrera Staff Geologist



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

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

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

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

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

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

CONDITIONS

Action 275317

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	275317
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Crea By	Condition	Condition Date
nve	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.	12/21/2023