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	NAPP2321654246
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			•						
Responsible	Party Forty	Acres Energy		OGRID 3	OGRID 371416				
Contact Nam				Contact T	Contact Telephone 832-389-3788				
Contact emai	il alex@fae	energyus.com		Incident #	(assigned by OCD)	nAPP2321654246			
			Y Suite 725, H	ouston, TX 770)79				
		-		of Release S					
Latitude 32	2.44901	66		Longitude	-103.3136	652			
			(NAD 83 in dec	cimal degrees to 5 decir					
Site Name A7	TLANTIC S	STATE #003		Site Type	Well				
Date Release Discovered 08/02/2022				API# (if app	olicable) 30-025	-03508			
Unit Letter	Section	Township	Range	Cour	nty]			
I	25	21S	35E	Le	а				
Surface Owner	r: State	☐ Federal ☐ Tr	ibal 🔳 Private (A	Name: Mercha	ant Cattle (Company)			
				l Volume of					
	Material	(s) Released (Select al	I that apply and attach	calculations or specific	iustification for the	volumes provided below)			
Crude Oil		Volume Release		•		vered (bbls) 0 bbls			
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)				
Is the concentration of dissolved chlor produced water >10,000 mg/l?		hloride in the	Yes N	О					
Condensa	te	Volume Release	d (bbls)		Volume Recovered (bbls)				
Natural G	as	Volume Release	d (Mcf)		Volume Reco	vered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)				

Cause of Release Stuffing Box Leak.

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Page 2 Oil Conservation Division

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Incident ID	NAPP2321654246
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Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the response Greater than 25 bbls.	nsible party consider this a major release?
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?
	I '' ID	
	Initial R	esponse
The responsible	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
	as been secured to protect human health and	the environment.
	•	dikes, absorbent pads, or other containment devices.
All free liquids and r	ecoverable materials have been removed ar	d managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	why:
Per 19 15 29 8 B (4) NN	IAC the responsible party may commence:	remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial	efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
		ifications 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
	Bolanos	Title: Reg/Prod Analyst
Printed Name: Alex E	Bolanos	Date: 8/4/2023 Telephone: 832-689-3788
email: alex@faen	ergyus.com	832-689-3788
email:		Telephone:
OCD Only		
Received by: Shelly We	ells	Date: <u>8/7/2023</u>

te of New Mexico

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NAPP2321654246

Incident ID	NAPP2321654246
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well in Field data ⊠ Data table of soil contaminant concentration data 	ls.

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

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Depth to water determination

Topographic/Aerial maps

Photographs including date and GIS information

■ Laboratory data including chain of custody

Boring or excavation logs

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Incident ID NAPP2321654246

District RP
Facility ID
Application ID

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachmen	nt Checklist: Each of the following	items must be incl	luded in the closure report.
A scaled site and sampli	ng diagram as described in 19.15.29	0.11 NMAC	
Photographs of the reme must be notified 2 days prior		os of the liner integr	rity if applicable (Note: appropriate OCD District office
■ Laboratory analyses of f	inal sampling (Note: appropriate OI	OC District office m	nust be notified 2 days prior to final sampling)
Description of remediati	on activities		
and regulations all operators a may endanger public health or should their operations have for human health or the environm compliance with any other fec- restore, reclaim, and re-vegeta	are required to report and/or file certar the environment. The acceptance of ailed to adequately investigate and report. In addition, OCD acceptance of deral, state, or local laws and/or regulate the impacted surface area to the other contents.	ain release notificat of a C-141 report by emediate contamina of a C-141 report do- lations. The resport conditions that exist	ny knowledge and understand that pursuant to OCD rules tions and perform corrective actions for releases which by the OCD does not relieve the operator of liability action that pose a threat to groundwater, surface water, we not relieve the operator of responsibility for insible party acknowledges they must substantially ted prior to the release or their final land use in action and re-vegetation are complete.
Printed Name: Alex Bolan	os	_{Title:} Regula	atory & Production Analyst
Signature: Alex Boo	lanos	Date: 12/06/2	2023
email: alex@faenergyus.	com	Telephone: (83	2)689-3788
OCD Only			
Received by:		Date:	
remediate contamination that I		e water, human heal	d their operations have failed to adequately investigate and lth, or the environment nor does not relieve the responsible
Closure Approved by:	Pelson Velez	Date: _	12/22/2023
Closure Approved by:	elson Velez	Title:	Environmental Specialist - Adv



CLOSURE REQUEST REPORT

Atlantic State #003

Lea County, New Mexico

Incident Number NAPP2321654246

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 Closure Request Report (CRR) detailing site assessment and soil sampling activities performed for an inadvertent release of crude oil at the Atlantic State #003 (Site). Based on field observations, information provided by FAE, and review of the laboratory analytical results from recent soil sampling activities, FAE is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit I, Section 25, Township 21 South, Range 35 East, in Lea County, New Mexico (32.4490166°, -103.313652°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1** in **Appendix A**).

Based on information provided by FAE, it was discovered that on August 2, 2022, a stuffing box failure resulted in the release of 27 barrels (bbls) of crude oil onto the well pad surface. No fluids were recovered. The New Mexico Oil Conservation Division (NMOCD) did not receive A Release Notification and Corrective Action Form C-141 (Form C-141) within 15 days of the major release. As a result, FAE submitted a Form C-141 with release incident details, which was received by the NMOCD on August 4, 2023, and was subsequently assigned Incident Number NAPP2321654246. Response efforts by FAE included excavation and removal of observed soil impacts totaling 24 cubic yards (CYs). The excavations were left open for further assessment and sampling activities by Etech, since the excavation location(s) and shallow depth(s) did not pose a threat to wildlife, on-site personnel, or active production equipment.

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 below ground surface (bgs) based on New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-00539, owned by DASCO Cattle Company (DASCO), located approximately 0.63-mile northeast of the Site. Depth to groundwater was measured by the well owner, Atlee Snyder, on July 14, 2022, and measured 230 feet bgs. The soil boring location may be referenced in **Figure 1** in **Appendix A**. The well record and groundwater measurement form are provided in **Appendix B**.

The water well and regional groundwater well locations are shown in Figure 1A in Appendix A.

Closure Request Report Incident Number NAPP2321654246 Atlantic State #003



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		
TPH-Gasoline Range Organics (GRO) + TPH-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 SOIL SAMPLING ACTIVITIES

From August 21, 2023, to September 8, 2023, Etech conducted site assessment and soil sampling activities to confirm details of the release provided on the Form C-141 and to evaluate the Area of Concern (AOC) by verifying the presence or absence of impacted soil via delineation and excavation confirmation soil samples. Six delineation potholes (PH01 through PH06) were advanced via mechanical equipment to assess the potential for impacts outside and within the AOC. Delineation activities 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**.

Concurrently with delineation soil sampling activities, Etech collected 5-point composite soil samples from the existing excavations at a sampling frequency of 200 square feet. Due to the shallow excavation depths, sidewall soil from each excavation was included in each respective composite floor soil sample (FS01 through FS07). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The locations of the excavation soil samples are shown in **Figure 3** in **Appendix A**. Photographic documentation of soil sampling activities is included in **Appendix D**.

The delineation and excavation confirmation 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 Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation and excavation confirmation soil samples were below the applicable Site Closure Criteria. 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**.



CLOSURE REQUEST

Based on the laboratory analytical results, FAE believes residual impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site. Concentrations of COCs for all confirmation delineation and excavation soil samples were below the applicable Site Closure Criteria. Furthermore, the horizontal periphery of impacts has been defined via delineation and/or confirmation soil samples. 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 respectfully requests NFA of the Incident Number NAPP2321654246 associated with this CRR.

LIMITATIONS

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

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

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: Excavation Soil Sample Locations

Appendix B Referenced Well Records and Groundwater Measurement Form

Appendix C Soil Sampling Logs

Appendix D Photographic Log

Appendix E Tables

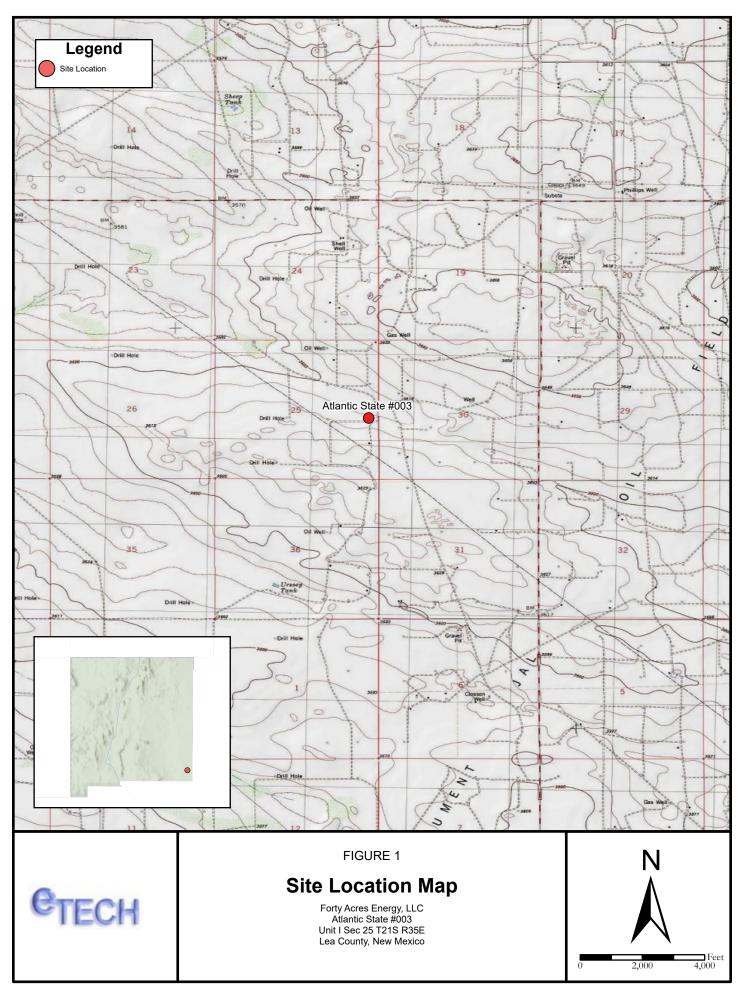
Appendix F Laboratory Analytical Reports & Chain-of-Custody Documentation

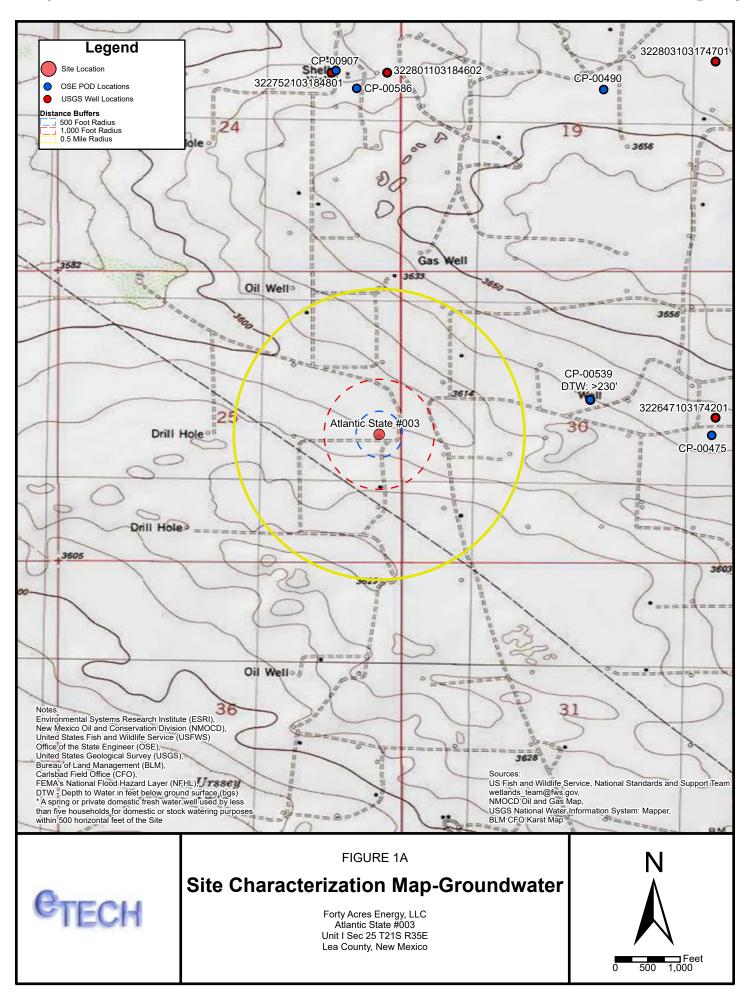
Appendix G NMOCD Notifications

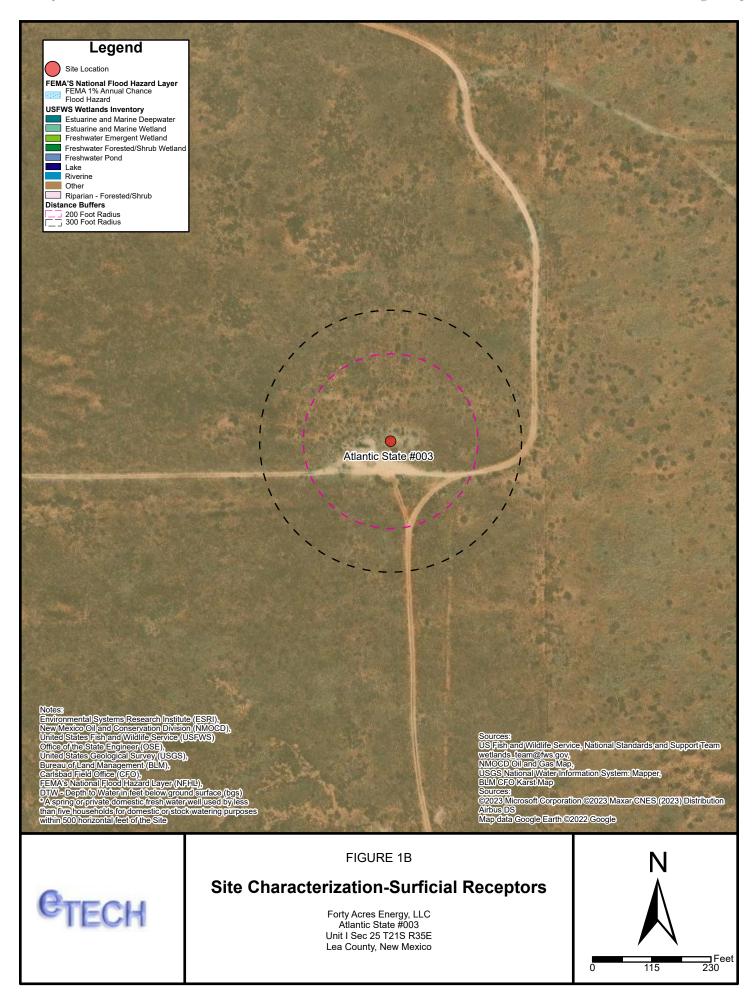
APPENDIX A

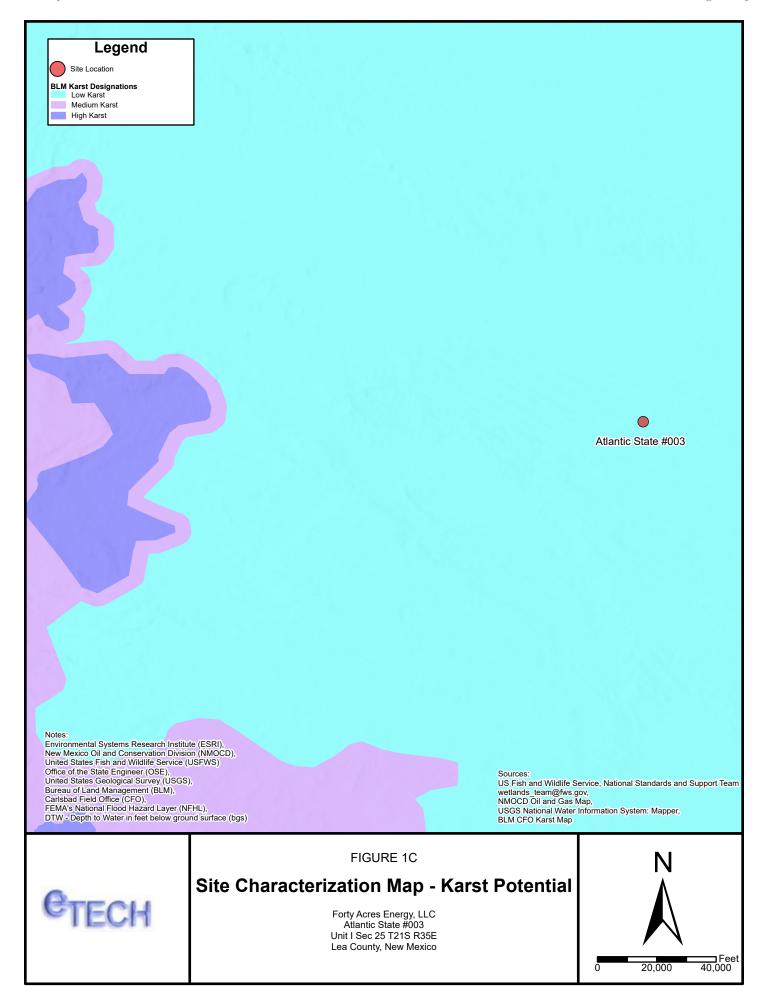
Figures

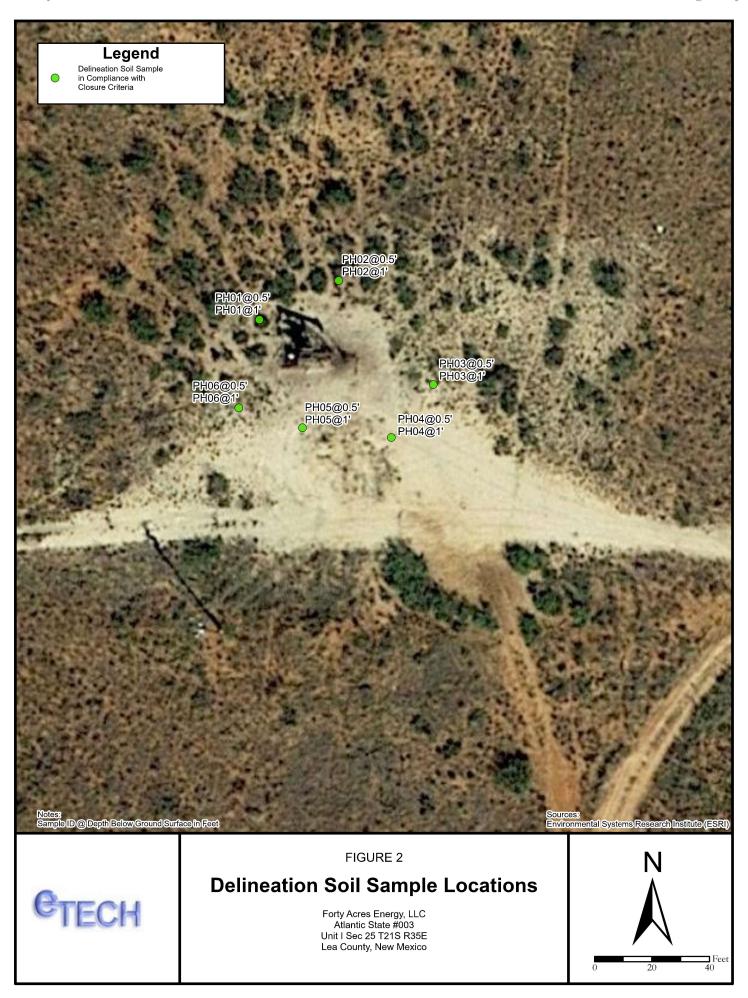














APPENDIX B

Referenced Well Record and Ground Water Measurement Form



STATE ENGINEER OFFICE

SANTA EE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

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The Lift Classics. The starm is out to contest to applied to be the best of the knowleten, and some these to an The role of the plant of the Sole Bestmeet of evidence and read to each to be the best the completely and many they are passed in Alexander to be the lift of the lift approach to a special Whom the common to now a position, PIET BECOME

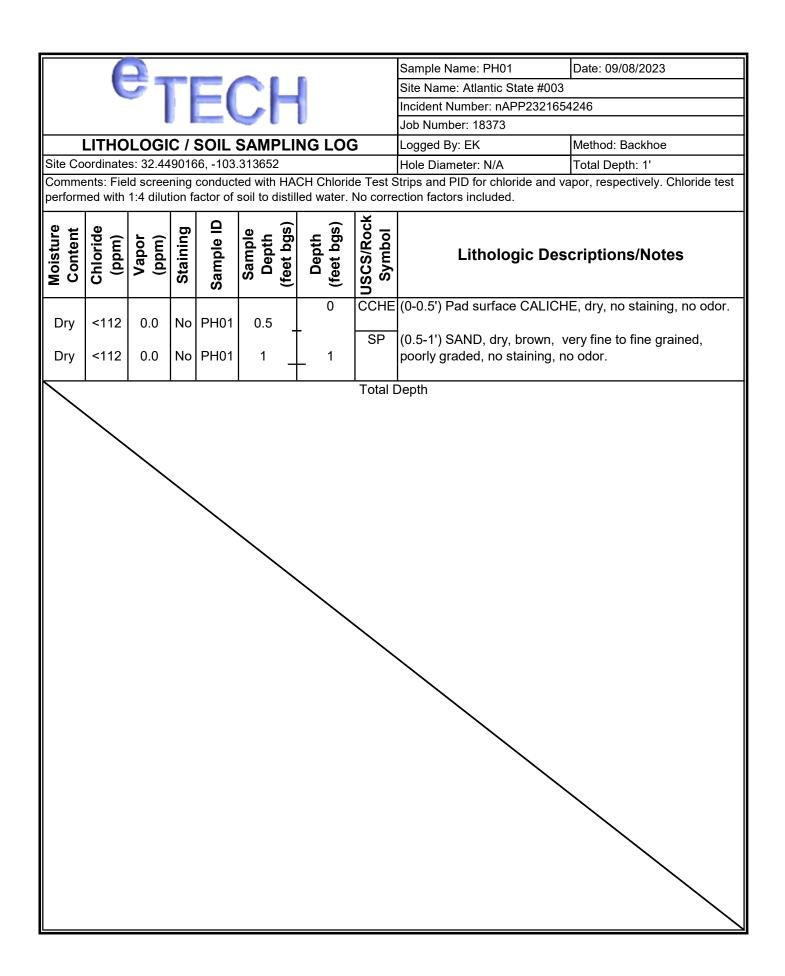
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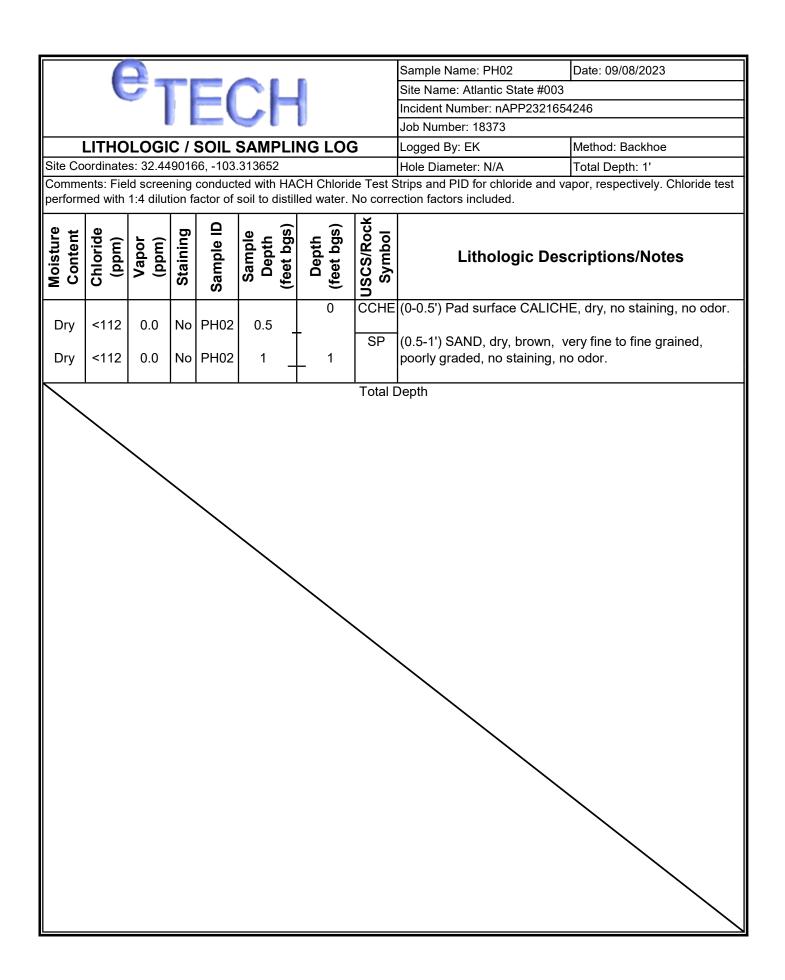
oject Name: <u>GW Measurement</u> oject Location: <u>X 659663</u> oject Manager:					G	ROUNDW	ATER ME	ASUREME	ENT FORM	Л	
	<u>G INFORMATION</u>		Project #:NA			39					
al Depth of Monitor Well: 270 fe	eet 5-631-9438		<u>-</u>								
ii i			Time	Purge Rate	Temp.	рН	DO	ORP 65	59663 3591670 ————————————————————————————————————	GW Depth	Comments:
Tubing Placement C	GW Depth (static)	After Purge	(minutes)	(L/min)	(°C)	(unitless)	(mg/L)	(mV)	(mS/cm)	(feet)	NA = Not Available

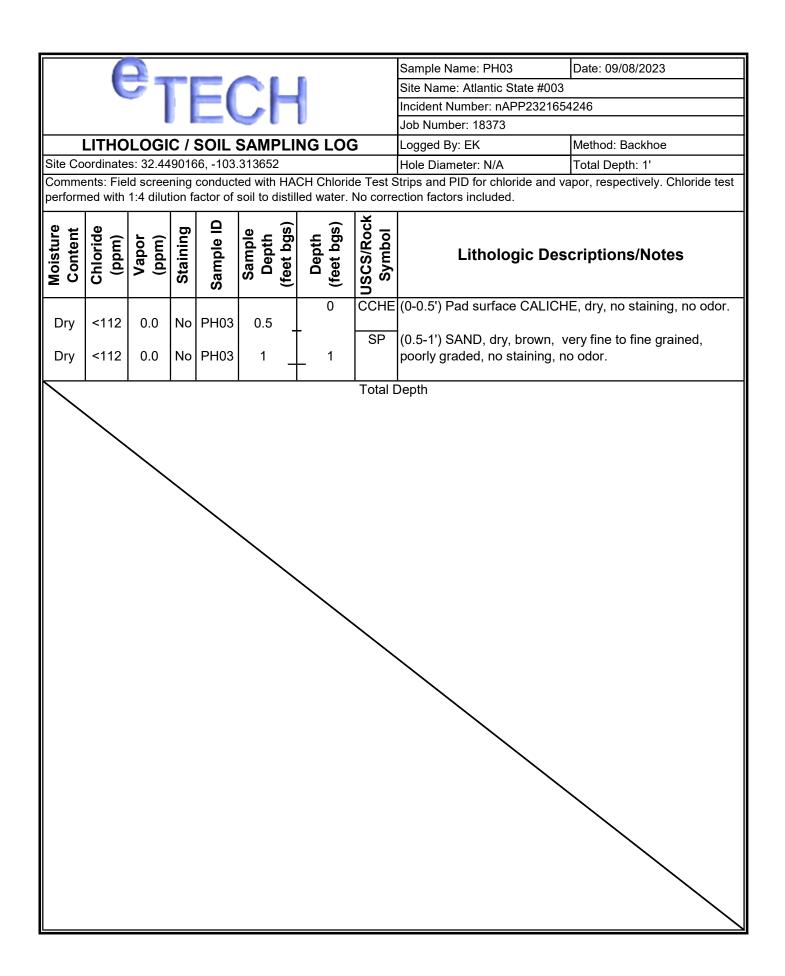
APPENDIX C

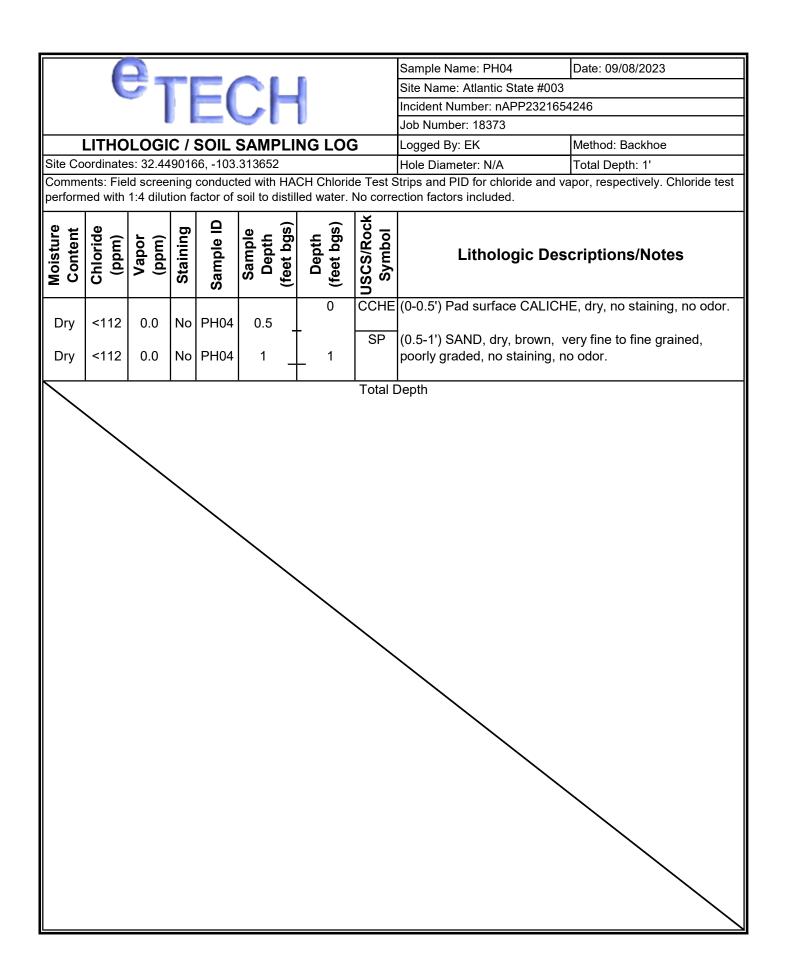
Soil Sampling Logs

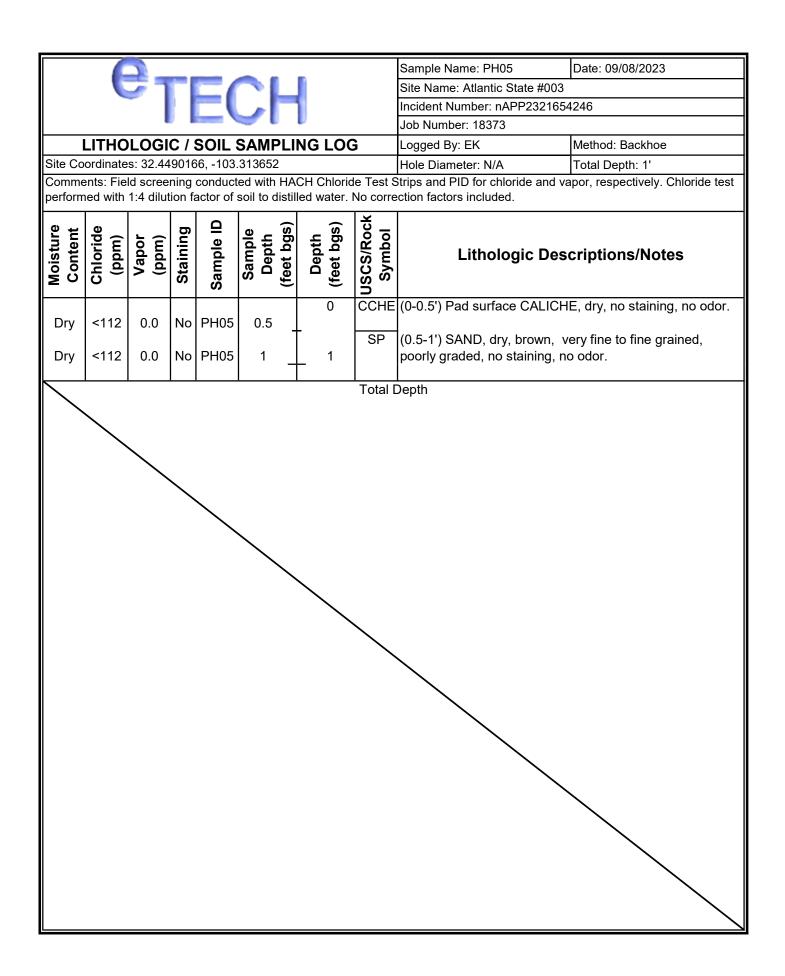


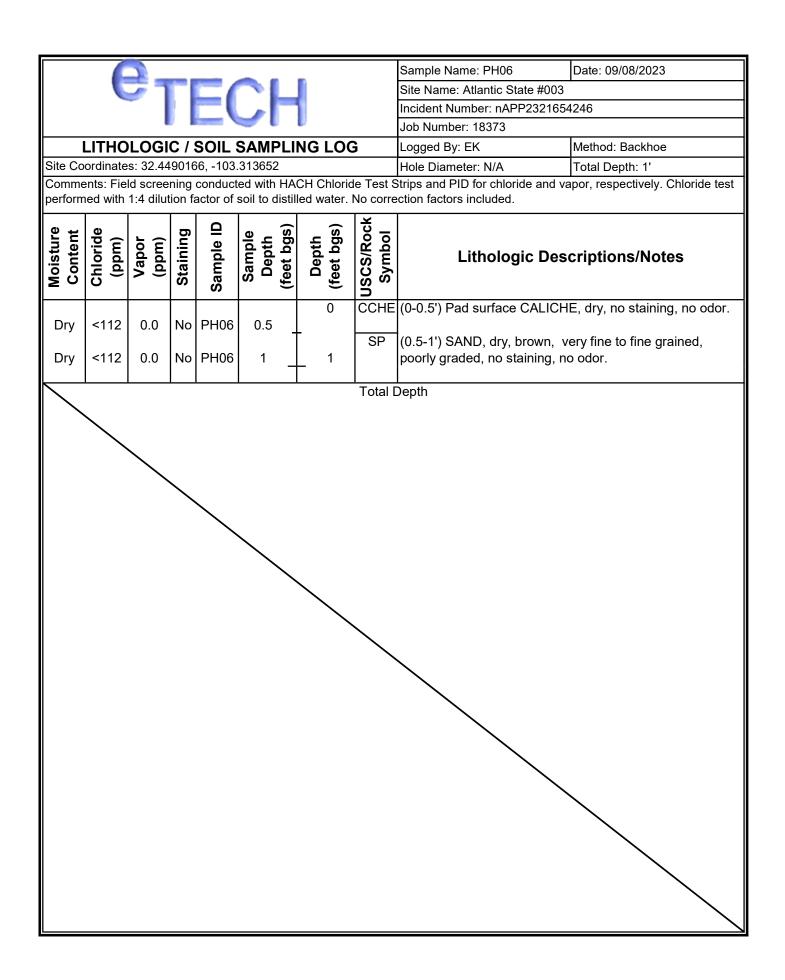












APPENDIX D

Photographic Log



PHOTOGRAPHIC LOG

Forty Acres Energy, LLC Atlantic State #003

Incident Number nAPP2228734147



Date: 08/21/2023

Description: Northeastern view of excavations

during Site assessment activities.

Photograph 1



Date: 09/08/2023 Photograph 3

Description: Northeastern view of delineation

activities.



Photograph 2

Date: 09/08/2023 Description: Northwestern view of delineation

activities.



Photograph 4

Date: 09/08/2023

Description: Southeastern view of delineation

activities.

APPENDIX E

Tables





Table 1 SOIL SAMPLE ANALYTICAL RESULTS Forty Acres Energy, LLC Atlantic State #A003 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000	
Delineation Soil Samples - Incident Number NAPP2321654246											
PH01	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH01	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH02	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH02	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH03	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH03	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH04	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH04	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH05	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH05	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH06	09/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
PH06	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
Excavation Soil Samples - Incident Number NAPP2321654246											
FS01	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
FS02	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
FS03	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
FS04	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.2	
FS05	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.5	
FS06	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
FS07	09/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	258	

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: Atlantic State #003

Work Order: E309077

Job Number: 23077-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309077

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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)

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Sample Summary

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Denouted
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 13:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E309077-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH01 1'	E309077-02A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH02 0.5'	E309077-03A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH02 1'	E309077-04A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH03 0.5'	E309077-05A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH03 1'	E309077-06A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH04 0.5'	E309077-07A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH04 1'	E309077-08A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH05 0.5'	E309077-09A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH05 1'	E309077-10A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH06 0.5'	E309077-11A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
PH06 1'	E309077-12A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH01 0.5' E309077-01

Batch: 2337049 23 23 23 23
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Batch: 2337049
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Batch: 2337029
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Batch: 2337044
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Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH01 1'

E309077-02

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		93.3 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH02 0.5'

		E309077-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		94.9 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH02 1'

E309077-04

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		95.6 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH03 0.5' E309077-05

		E309077-05				
Aughte	Result	Reporting Limit	Dilution	Dromonod	Amalyzand	Notes
Analyte	Kesult	Limit	Dilution	Prepared	Analyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		95.9 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	·



Forty Acre	s Energy, LLC	Project Name:	Atlantic State #003	
13000 W C	County RD 100	Project Number:	23077-0001	Reported:
Odessa TX	5, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH03 1'

E309077-06

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		94.3 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH04 0.5'

		E309077-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		95.0 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH04 1'

E309077-08

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2337049
ND	0.0250	1	09/12/23	09/13/23	
ND	0.0250	1	09/12/23	09/13/23	
ND	0.0250	1	09/12/23	09/13/23	
ND	0.0250	1	09/12/23	09/13/23	
ND	0.0500	1	09/12/23	09/13/23	
ND	0.0250	1	09/12/23	09/13/23	
	92.3 %	70-130	09/12/23	09/13/23	
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2337049
ND	20.0	1	09/12/23	09/13/23	
	96.0 %	70-130	09/12/23	09/13/23	
mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2337029
ND	25.0	1	09/12/23	09/14/23	
ND	50.0	1	09/12/23	09/14/23	
	94.8 %	50-200	09/12/23	09/14/23	
	mg/kg	Aı	nalyst: BA		Batch: 2337044
mg/kg	mg/kg		naryst. Bit		Batem 2001011
	mg/kg ND Mg/kg ND	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 MB/kg mg/kg MD 20.0 96.0 % mg/kg ND 25.0 ND 50.0 94.8 %	Result Limit Dilution mg/kg mg/kg A 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 92.3 % 70-130 mg/kg mg/kg A ND 20.0 1 96.0 % 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 94.8 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/12/23 ND 0.0250 1 09/12/23 ND 0.0250 1 09/12/23 ND 0.0500 1 09/12/23 ND 0.0250 1 09/12/23 ND 0.0250 1 09/12/23 mg/kg mg/kg Analyst: IY ND 20.0 1 09/12/23 mg/kg mg/kg Analyst: KM ND 25.0 1 09/12/23 ND 50.0 1 09/12/23 94.8 % 50-200 09/12/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/12/23 09/13/23 ND 0.0250 1 09/12/23 09/13/23 ND 0.0250 1 09/12/23 09/13/23 ND 0.0500 1 09/12/23 09/13/23 ND 0.0250 1 09/12/23 09/13/23 ND 0.0250 1 09/12/23 09/13/23 mg/kg mg/kg Analyst: IY ND 20.0 1 09/12/23 09/13/23 mg/kg mg/kg Analyst: KM ND 25.0 1 09/12/23 09/14/23 ND 50.0 1 09/12/23 09/14/23 ND 50.0 1 09/12/23 09/14/23



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH05 0.5' E309077-09

d Analyzed Notes Batch: 2337049 3 09/13/23
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Batch: 2337049
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3 09/13/23
Batch: 2337029
3 09/14/23
3 09/14/23
3 09/14/23
Batch: 2337044
3 09/13/23



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH05 1'

E3			

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		95.3 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH06 0.5' E309077-11

		E3090//-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilution	Frepared	Analyzeu	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		95.8 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

PH06 1'

E309077-12

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
Surrogate: n-Nonane		96.6 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	

Forty Acres Energy, LLC Atlantic State #003 Project Name: Reported: 13000 W County RD 100 Project Number: 23077-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 1:49:07PM **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 (2337049-BLK1) Prepared: 09/12/23 Analyzed: 09/13/23 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 7.59 8.00 94.9 70-130 LCS (2337049-BS1) Prepared: 09/12/23 Analyzed: 09/13/23 5.28 5.00 106 70-130 0.0250 Benzene Ethylbenzene 5.25 0.0250 5.00 105 70-130 70-130 5.30 0.0250 5.00 106 Toluene 5.27 105 70-130 o-Xylene 0.0250 5.00 10.7 0.0500 10.0 107 70-130 p,m-Xylene 106 70-130 16.0 0.0250 15.0 Total Xylenes 8.00 70-130 95.5 Surrogate: 4-Bromochlorobenzene-PID 7.64

Matrix Spike (2337049-MS1)			Source:	E309077-	01	Prepared: 09/12/23 Analyzed: 09/13/23	
Benzene	5.07	0.0250	5.00	ND	101	54-133	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	
Toluene	5.09	0.0250	5.00	ND	102	61-130	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.2	70-130	

Matrix Spike Dup (2337049-MSD1)		Source:	E309077-0	01	Prepared: 09	9/12/23 Analyzed: 09/13/23		
Benzene	5.02	0.0250	5.00	ND	100	54-133	0.999	20
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	1.19	20
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.26	20
o-Xylene	4.98	0.0250	5.00	ND	99.7	63-131	1.62	20
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.24	20
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	1.37	20
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130		

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23077-0001	•
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 1:49:07PM

Odessa TX, 79765		Project Manager	r: Er	ick Herrera				9/14	1/2023 1:49:07PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337049-BLK1)							Prepared: 0	9/12/23 Analy	zed: 09/13/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2337049-BS2)							Prepared: 0	9/12/23 Analy	zed: 09/13/23
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			
Matrix Spike (2337049-MS2)				Source:	E309077-	01	Prepared: 0	9/12/23 Analy	zed: 09/13/23
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike Dup (2337049-MSD2)				Source:	E309077-	01	Prepared: 0	9/12/23 Analy	zed: 09/13/23
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	12.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

Forty Acres Energy, LLC Project Name: Atlantic State #003
13000 W County RD 100 Project Number: 23077-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 1:49:07PM

Guessa 171, 77705			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	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 (2337029-BLK1)							Prepared: 0	9/12/23 Ana	lyzed: 09/13/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			
LCS (2337029-BS1)							Prepared: 0	9/12/23 Ana	lyzed: 09/13/23
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike (2337029-MS1)				Source:	E309076-0	02	Prepared: 0	9/12/23 Ana	lyzed: 09/13/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			
Matrix Spike Dup (2337029-MSD1)				Source:	E309076-0	02	Prepared: 0	9/12/23 Ana	lyzed: 09/13/23
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.743	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

Chloride

QC Summary Data

Forty Acres Energy, LLC		Project Name:		tlantic State #	003				Reported:					
13000 W County RD 100 Odessa TX, 79765		Project Number Project Manager		3077-0001 rick Herrera				9/14/2023 1:49:07PM						
	Anions by EPA 300.0/9056A													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit						
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes					
Blank (2337044-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/13/23					
Chloride	ND	20.0												
LCS (2337044-BS1)							Prepared: 0	9/12/23	Analyzed: 09/13/23					
Chloride	241	20.0	250		96.5	90-110								
Matrix Spike (2337044-MS1)				Source:	E309077-0)1	Prepared: 0	9/12/23	Analyzed: 09/13/23					
Chloride	241	20.0	250	ND	96.3	80-120								
Matrix Spike Dup (2337044-MSD1)				Source:	E309077-0)1	Prepared: 0	9/12/23	Analyzed: 09/13/23					

250

20.0

ND

97.7

80-120

1.45

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:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 13:49

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.



Oject Manager: Erick Herrera Address: 13000 W County Rd 100 Analysis and Method	roject In	formation						Chain	of Custody															Page 1
Digital Analysis Container	Client: Fo	rty Acres Ene	rgy, LLC.				T	Bill To		Т	·	12	b Us	e On	h		CN			TA	\T		EPA P	rogram
Oject Manager: Erick Herrera Address: 13000 W County Rd 100 Analysis and Method						-	Atto	The state of the s	Salvalana lan	l ab	MOR					her			2D			andard		SDWA
Analysis and Method						\dashv	Addr	ress: 13000 W County Rd 100	Solutions, Inc.	E 3	no"	הח	7							-				
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11:10 9/8/2023 5 1 PH01			· · · · · · · · · · · · · · · · · · ·							1	õ												State	<u> </u>
11:10 9/8/2023 5 1 PH01			.com. io	eph@et	cheny.com		_			1	Ş	١.			0			⋝				NMI CO	UTIAZ	TX
11:10 9/8/2023 5 1 PH01								· · · · · · · · · · · · · · · · · · ·		1 _	ĕ	Ş	8	g	8					ř				1
11:10 9/8/2023 5 1 PH01	Time				Sample ID	 -	Tiricio	JEHL ID. HAFF2321034240	Lab Number		H GR0	Ž Z	C 5y 8	rtals 6	loride			8		ğ			Remark	
11:20 9/8/2023 S 1 PH02 3 0.5' X X 11:30 9/8/2023 S 1 PH02 4 1' X X 11:50 9/8/2023 S 1 PH02 4 1' X X 11:50 9/8/2023 S 1 PH03 5 0.5' X X 11:50 9/8/2023 S 1 PH03 5 0.5' X X 11:50 9/8/2023 S 1 PH03 5 0.5' X X 11:50 9/8/2023 S 1 PH03 7 0.5' X X 11:50 9/8/2023 S 1 PH04 7 0.5' X X 11:50 9/8/2023 S 1 PH04 7 0.5' X X 11:50 9/8/2023 S 1 PH04 7 0.5' X X 11:50 9/8/2023 S 1 PH04 7 0.5' X X 11:50 9/8/2023 S 1 PH04 8 1' X X 11:50 9/8/2023 S 1 T T T T T T T T T T T T T T T T T T	Sampled			Contanto						8	E 8	<u> </u>	8	ž	6			8		ច	—			
11:30 9/8/2023 S 1 PH02 4 1' X 1 1 1:50 9/8/2023 S 1 PH03 5 0.5' X 1 PH04 7 0.	11:10	9/8/2023	S	1		PH01	[0.5'								X								
11:40 9/8/2023 S 1 PH03 5 0.5' X 1 12:00 9/8/2023 S 1 PH03 6 1' X 1 12:10 9/8/2023 S 1 PH04 7 0.5' X 1 12:10 9/8/2023 S 1 PH04 7 0.5' X 1 12:20 9/8/2023 S 1 PH04 8 1' X 1 12:20 9/8/2023 S 1 PH04 8 1' X 1 12:20 9/8/2023 S 1 PH04 8 1' X X 1	11:20	9/8/2023	S	1				PH01	2	1'								x						
11:50 9/8/2023 S 1 PH03	11:30	9/8/2023	S	1				PH02	3	0.5'								x						
12:00 9/8/2023 S 1 PH04 7 0.5' X X 12:20 9/8/2023 S 1 PH04 8 1' X X 12:20 9/8/2023 S 1 T X 12:20 9/	11:40	9/8/2023	S	1				PH02	4	1'								x						
12:10 9/8/2023 S 1 PH04 7 0.5' X 12:20 9/8/2023 S 1 PH04 8 1' X X (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, and or or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice to the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice to the day they are sampled or received packed in loc at an avg temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice to the day they are sampled or received packed in loc at an avg temp above	11:50	9/8/2023	S	1				PH03	5	0.5								x						
12:20 9/8/2023 5 1 PH04 B 1' X (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an any temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an any temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an any temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an any temp above 0 but less than 6 °C on subsequent days. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an any temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received by: (Signature) On-08-23 1530 Received on ice: On-08-23 1815	12:00	9/8/2023	S	1			******	PH03	4	1'								x						
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	12:10	9/8/2023	s	1				PHO4	7	0.5								x				_		
Sampled by: (Signature) Date Time Received by: (Signature) Date Time O9-08-23 Time O	12:20	9/8/2023	S	1				PH04	8	1'								x						
elinquished by; (Signature) Date OBJ08/23 1530 Received by: (Signature) OBJ08/23 1530 Received by: (Signature) OBJ08/23 1530 Received on ice: OBJ08/23 153									ng the sample local	tion,														
OBJ09/23 1530 Michelle Gonzales 09-08-23 1530 Received on ice: VIN elinquished by: (Signature) Michelle Gonzales 09-08-23 1815 Date Time Received by: (Signature) Policy (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							AL.		Date		Time			╄				1:	ab Us	se Or	ılv			
Michelle Gonzale: O9-08-23 1815 Avg Temp °C O9-08-23 1815 Oste Time Received by: (Signature) Date Time Received by: (Signature) Date Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	oslos/23 15:30 Michelle Gonzales										1	530)	Rec	elvec	l on i	ce:				,			
elinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				1			5	Received by: (Stroature)		3	8	:/5	5	11				12			_	<u>T3</u>		
ample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						Time		Received by: (Signature)	Date		Time	,		AVG	Ten	np °C	4							
WILLIAM TITES WITH TANKE AND THE TANKE AND T	Samola Ma	tor S. Soil Sd. S	and So-Shu	see. A - Aou	ous, O - Other		_		Container T	ype: g	s - gla	ss, p	- pol	y/plas	tic, a	g - an	nber	glass	, v - V	OA				
ample Matrix: 3-300, 30-3000, 32-30000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-30000, 32-3000, 32-3000, 32-3000, 32-3000, 32-30000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-3000, 32-300	Note: Sag	nles are discard	ed 30 days	after result	s are reporte	d unless	other a	rrangements are made. Hazardous s	amples will be re	turne	d to c	llent c	r disp	osed (of at t	ne cile	ent ex	pense	. The	repo	rt for	the analysi	s of the ab	ove sampk



Client: Forty Acres Energy, LLC.						T	Bill To	·		Г		La	b Us	e Or	ily		M	-		T/	AT		EPA P	rogram
	Atlantic State					Attenti	On: Etech Environmental & Saf	ety Sol	utions, Inc.	Lab	WO#	!			Num			D	2D	3D	St	andard	CWA	SDWA
Project N	lanager: Erick	Herrera					s: 13000 W County Rd 100				305		17	23	OF	7.00	7 (c				5 (TAT yet		
Address:	13000 W Cou	inty Rd 10	90											Analy	rsis ar	d Met	nod							RCRA
	e, Zip_Odessa		55			Phone:	(432)563-2200				à						Т							
<u> </u>	81)777-4152					Email:					S S			İ				- 1					State	
¶mail: eri	ick@etechenv	v.com, jos	eph@e	techenv.co	m	WO: N	/A				ğ	-			9			Σ		J		NM CO	UT AZ	TX
ollected	by: Edyte Ko	nan				Incider	it ID: naPP2321654246			<u> </u>	Ō	8021	826	ğ	ğ		- 1	. 1		ዾ				
11 Time Sampled	Date Sampled	Matrix	No of Container	Sample II)	-		L	ab Number	Depth(ft.)	трн Gro/dro/оro Бу 8015	втех Бу	VOC by 8260	Metals 6010	Chloride 300.0			86000		срос			Remarks	
27				+	·					<u> </u>	E 3	-60	-5	≥	-	+	+	-		9				
12:30	9/8/2023	S	1			· · · · · · · · ·	PH05		9	0.5'								×						
12:40	9/8/2023	S	1			5	PH05		10	1'								x						
12:50	9/8/2023	S	1			1	PH06		//	0.5'								x						
13:00	9/8/2023	S	1				PH06	1	12	1'								x						
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1											J		<u> </u>				-				ابـــــا	<u> </u>		
	oler), attest to the	•		•			pering with or intentionally mislabe Sampled by:	iling the	sample locati	on,												on ice the day an 6 °C on sub-		pled or
	d by: (Signature		Dat		Time		celved by: (Signature)	D4	ete		Time			-				Ta	h Hs	e On	h			
og108123 15x30 Michelle Gonzal								٠ ا ١	09-08-23	3	1	530		Roce	aivad	on ice) N					
Relinguishe	ed by: (Signature	3	Dat		Time		celved by://Signature		eto .					11.00	SIVEU	On ice	•	·	// !4					l
	helle Gor		lo	9-08-23	181		n. H. Man	4	1.11.23	3	S.	!5	•	т1			7	2				T3		
	ed by: (Signature		Dat		Time		ceived by: (Signature)	Ď.	ato		Time			1	Ten		4			-	_	1.5		
Sample Mate	rtx: S - Soil, Sd - Soi	lid, Sg - Slude	e, A - Aqu	ous, O - Other				c	ontainer Ty	pe: g	- glas	s, p -	poly				er gla	ISS,	v - V	OA AC			.,	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous sa																		rt for	the analysis	of the abo	ve samples			
applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.								· 1																



Printed: 9/11/2023 11:07:54AM

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:	09/11/23 0	8:15	Work Order ID:	: E309077
Phone:	(281) 777-4152	Date Logged In:	09/11/23 0	9:02	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/15/23 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location mat	ch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Cou	<u>irier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion	•	Yes	_	<u>Comme</u>	ents/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	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			
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 are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C		<u> </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			
	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 Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	rmation:				
Sa	imple ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserved?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved n	natole?	NA No			
	•	ictais:	No			
	se Sample Matrix	9				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
-	act Laboratory					
	mples required to get sent to a subcontract laborator	-	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: N	NA	
Client In	struction					
						<u> </u>

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: Atlantic State #003

Work Order: E309078

Job Number: 23077-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309078

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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

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Cell: 775-287-1762

whinchman@envirotech-inc.com

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Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

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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)

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Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Donoutoda
١	13000 W County RD 100	Project Number:	23077-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 16:52

Client Sample ID	Lab Sample ID Matri	x Sampled	Received	Container
FS01 1'	E309078-01A Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 4:52:25PM

FS01 1' E309078-01

		E507070-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2337032
Benzene	ND	0.0250		1	09/12/23	09/13/23	Baton. 233 / 032
Ethylbenzene	ND	0.0250		1	09/12/23	09/13/23	
Toluene	ND	0.0250		1	09/12/23	09/13/23	
o-Xylene	ND	0.0250		1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500		1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250		1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2337032
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		121 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8		112 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/23	09/13/23	
Surrogate: n-Nonane		99.2 %	50-200		09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2337044
Chloride	ND	20.0		1	09/12/23	09/14/23	



Forty Acres Energy, LLC Project Name: Atlantic State #003
13000 W County RD 100 Project Number: 23077-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 4:52:25PM

	V	olatile Organ	ic Compo	unds by El	PA 82601	В			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 (2337032-BLK1)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	ND	0.0250					-		<u> </u>
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: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.568		0.500		114	70-130			
LCS (2337032-BS1)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.53	0.0250	2.50		101	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.57	0.0500	5.00		111	70-130			
Total Xylenes	8.36	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			
Matrix Spike (2337032-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.66	0.0250	2.50	ND	106	48-130			
o-Xylene	2.82	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.60	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.41	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.620		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			
Matrix Spike Dup (2337032-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.51	0.0250	2.50	ND	100	48-131	1.80	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	1.90	27	
Toluene	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	0.999	27	
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135	0.654	27	
Total Xylenes	8.35	0.0250	7.50	ND	111	43-135	0.770	27	
Surrogate: Bromofluorobenzene	0.624		0.500		125	70-130			
			0.500		100	50 120			



0.500

0.500

102

111

70-130

70-130

0.512

0.557

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Forty Acres Energy, LLC Project Name: Atlantic State #003
13000 W County RD 100
Project Number: 23077-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/14/2023 4:52:25PM

Nonhalogenated Organics	by EPA 8015D - GRO
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Anal	

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

	Result	LIIIII	Level	Result	Rec	Limits	KrD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337032-BLK1)							Prepared: 09	9/12/23 Aı	nalyzed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.568		0.500		114	70-130			
LCS (2337032-BS2)							Prepared: 09	9/12/23 Aı	nalyzed: 09/12/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.614		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			
Matrix Spike (2337032-MS2)				Source:	E309070-0	05	Prepared: 09	9/12/23 Aı	nalyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.616		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			
Matrix Spike Dup (2337032-MSD2)				Source:	E309070-0	05	Prepared: 09	9/12/23 Aı	nalyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130	0.503	20	
Surrogate: Bromofluorobenzene			0.500		122	70-130			
surrogute. Bromojtuorobenzene	0.608		0.500						
Surrogate: 1,2-Dichloroethane-d4	0.608 0.486		0.500		97.2	70-130			



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23077-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 4:52:25PM

Guessa 171, 77703		Troject Manage							
	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 (2337030-BLK1)							Prepared: 0	9/12/23 Ana	yzed: 09/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23 Ana	yzed: 09/12/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-0	05	Prepared: 0	9/12/23 Ana	yzed: 09/12/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-0	05	Prepared: 0	9/12/23 Ana	yzed: 09/12/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			

Matrix Spike Dup (2337044-MSD1)

Chloride

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number		tlantic State #	003				Reported:
Odessa TX, 79765		Project Manage		rick Herrera					9/14/2023 4:52:25PM
		Anions	by EPA 3	300.0/9056	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 (2337044-BLK1)							Prepared: 0	9/12/23 Aı	nalyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 Aı	nalyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 Aı	nalyzed: 09/13/23
Chloride	241	20.0	250	ND	96.3	80-120			

250

20.0

Source: E309077-01

97.7

80-120

1.45

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: 09/12/23 Analyzed: 09/13/23

20

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 16:52

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 In	formation						Chair	of Custody													1	Page 1
Client: Fo	rty Acres Ene	rgy, LLC.					Bill To	·	Т		La	b Us	e On	ilv					T/	. τ	FPA P	rogram
	Atlantic State					Atter	ntion: Etech Environmental & Safe	v Solutions, Inc.	Lab	WO#				Num	ber		1D	2D	3D	Standard	CWA	SDW
Addesse	To the file of the second seco							E	44	07	g			00					5 day TAT	-	1 30	
Address: 13000 W County Rd 100									<u> </u>					id Me					1	 	RCRA	
phone: (2	e, zip_odessa	,1X, 7970	55			Phon	e: (432)563-2200			Ž												
Phone: (281)777-4152 Email: erick@etechenv.com, joseph@etechenv.com					Emai	l:		1 2												State	_i	
Collogia	ckwetechen	.com, jos	eph@ete	echenv.co	m	WO:	N/A		1	Š		_		9			Σ			NMI CO	UT AZ	TX
	by: Edyte Ko	nan				Incid	ent ID: naPP2321654246		Depth(ft.)	Š	88	38	8	8					≱			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	D			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			ВББОС		2000		Remarks	
10:00	9/8/2023	S	1				FS01	1	1'					J			X					
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Addition	al Instruction	s:	<u> </u>	1					<u></u>		1				1							
							ampering with or intentionally mislabelli	ng the sample locatio	an,											ceived on ice the day	•	pled or
	or time of collection is considered fraud and may be grounds for legal act quished by: (Signature) Date Time 03 108/2 3 15 15			· · · · · · · · · · · · · · · · · · ·	Received by: (Signature) Date		7lme 23 1530			Lab Use Only Received on ice: Y/ N					adoes t asks.							
Relinquishe Mil	ielinquished by: (Signature) Date Time			Time 181	5	Recoved by Sknaturely	9/11/23	Time			T1 T2 T3											
Relinquishe	ed by: (Signature)	Date		Time		Received by: (Signature)	Date	Time			AVG Temp °C 4										
Sample Mete	rb:: S - Soil, Sd - Soi	M. Se . Ch. wh	to. A · Acum	aus. O . Other				Container Typ)A: Ø -	ماءدد	n - n					or ol-	55 11	- VO	<u> </u>			
							angements are made. Hazardous s	named a still be and			,			,	35	5.0	, V		•		faha ahaw	



@ envirotech 145

envirotech Inc.

Printed: 9/11/2023 11:53:33AM

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:	09/11/23	08:15	Work Order ID:	E309078
Phone:	(281) 777-4152	Date Logged In:	09/11/23	09:04	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:	09/15/23	17:00 (4 day TAT)		
Ch -ii	(Co., to In (COC)					
	f Custody (COC)		37			
	the sample ID match the COC? The number of samples per sampling site location match	h the COC	Yes			
	samples dropped off by client or carrier?	n die coc	Yes Yes	Ci Ci		
	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	ou unur jous.	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
	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			
	ne sample(s) received intact, i.e., not broken?		Yes			
	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 t	received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
15. Are \	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation the COC or field labels indicate the samples were pre	samzad?	No			
	sample(s) correctly preserved?	serveu?				
	o filteration required and/or requested for dissolved me	etale?	NA No			
			110			
	ase Sample Matrix	-n	3.7			
	the sample have more than one phase, i.e., multiphases, does the COC specify which phase(s) is to be analyzed.		No			
•		eu?	NA			
	ract Laboratory					
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if		No NA	Subcontract Lab: 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: Atlantic State #003

Work Order: E309079

Job Number: 23077-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309079

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 16:53

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
FS02 1'	E309079-01A S	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 4:53:58PM

FS02 1' E309079-01

		1007077 01					
Austra	D14	Reporting		ution	D 1	A l d	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2337032
Benzene	ND	0.0250		1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250		1	09/12/23	09/13/23	
Toluene	ND	0.0250		1	09/12/23	09/13/23	
o-Xylene	ND	0.0250		1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500		1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250		1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2337032
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/12/23	09/13/23	
Surrogate: Bromofluorobenzene		120 %	70-130		09/12/23	09/13/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/12/23	09/13/23	
Surrogate: Toluene-d8		111 %	70-130		09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/23	09/13/23	_
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/23	09/13/23	
Surrogate: n-Nonane		98.2 %	50-200		09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2337044
Chloride	ND	20.0	<u> </u>	1	09/12/23	09/14/23	



Forty Acres Energy, LLC Project Name: Atlantic State #003
Reported:
13000 W County RD 100 Project Number: 23077-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 4:53:58PM

Odessa TX, 79765		Project Manage	r: Er	nck Herrera				9/1	4/2023 4:53:58PN
	V	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 (2337032-BLK1)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
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: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.568		0.500		114	70-130			
LCS (2337032-BS1)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.53	0.0250	2.50		101	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.57	0.0500	5.00		111	70-130			
Total Xylenes	8.36	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.610	******	0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			
Matrix Spike (2337032-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.56	0.0250	2.50	ND	102	48-131	-		
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.66	0.0250	2.50	ND	106	48-130			
o-Xylene	2.82	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.60	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.41	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.620		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			
Matrix Spike Dup (2337032-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Benzene	2.51	0.0250	2.50	ND	100	48-131	1.80	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	1.90	27	
Toluene	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	0.999	27	
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135	0.654	27	
Total Xylenes	8.35	0.0250	7.50	ND	111	43-135	0.770	27	
Surrogate: Bromofluorobenzene	0.624		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
			0.500			50.120			



0.500

111

70-130

0.557

Surrogate: Toluene-d8

Forty Acres Energy, LLC Project Name: Atlantic State #003
13000 W County RD 100
Project Number: 23077-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/14/2023 4:53:58PM

Nonhalogenated	Organics	by EPA	8015D -	GRO
Tionnaiogenatea	Organics	Dy LIII	OULDE	GILO

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

	Result	LIIIII	Level	Result	Rec	Limits	KrD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337032-BLK1)							Prepared: 09	9/12/23 Aı	nalyzed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.602		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.568		0.500		114	70-130			
LCS (2337032-BS2)							Prepared: 09	9/12/23 Aı	nalyzed: 09/12/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.614		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			
Matrix Spike (2337032-MS2)				Source:	E309070-0	05	Prepared: 09	9/12/23 Aı	nalyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.616		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			
Matrix Spike Dup (2337032-MSD2)				Source:	E309070-0	05	Prepared: 09	9/12/23 Aı	nalyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130	0.503	20	
Surrogate: Bromofluorobenzene			0.500		122	70-130			
surrogute. Bromojtuorobenzene	0.608		0.500						
Surrogate: 1,2-Dichloroethane-d4	0.608 0.486		0.500		97.2	70-130			



Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23077-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 4:53:58PM

Odessa 1A, 79763		Project Manager	. 1211	ск пенена					9/14/2023 4.33.36FN
	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 (2337030-BLK1)							Prepared: 0	9/12/23 <i>A</i>	Analyzed: 09/12/23
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23 A	Analyzed: 09/12/23
riesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 A	Analyzed: 09/12/23
riesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 A	Analyzed: 09/12/23
tiesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	

	Anions by l	EPA 300.0/9056A	Analyst: BA
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 4:53:58PM
Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	23077-0001	Reported:
Fourty Aones Enguery LLC	D ' AN	Atlantic State #003	

Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337044-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23	Analyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-0	01	Prepared: 0	9/12/23	Analyzed: 09/13/23
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)				Source:	E309077-0	01	Prepared: 0	9/12/23	Analyzed: 09/13/23
Chloride	244	20.0	250	ND	97.7	80-120	1.45	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:	Atlantic State #003	
13000 W County RD 100	Project Number:	23077-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 16:53

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	orty Acres Ene	ergy, LLC.				T	Bill To											-					
	Atlantic State					Atto			 				Jse O			_			TA				rogram
Project M	Aanager: Erick	k Herrera				Addr	ntion: Etech Environmental & Safety 5 ress: 13000 W County Rd 100	Solutions, Inc.	Lab	30°	, ,	70	100	Num			1D	2D	3D		andard	CWA	SDWA
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Phone: (2	281)777-4152	2	***************************************			Email			4	0				1	1		- 1						L
€mail: eri	ick@etechem	v.com, jo:	seph@et	echenv.co	m	WO:			4	5						1					1111 50	State	
Collected	d by: Edyte Ko	nan					dent ID: naPP2321654246		┨_	5	120	8	9	300			Σ				NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID)	1111010	EIICID. HGFF 2321034240	Lab Number	Depth(ft.)	ТРН GRO/DRO/ORO by 8015	8015 8TEX by 8021	VOC by 8260	Metals 6010	Chloride 3			верос		2009	:	\vdash	Remarks	
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						ther an	rrangements are made. Hazardous san													for th	ne analysis o	f the above	e samples is
applicable	only to those sa	amples recei	ived by the	laboratory ·	with this C	OC. The	e liability of the laboratory is limited to	the amount pak	d for r	on the	repo	rt.											



Printed: 9/11/2023 11:55:24AM

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:	09/11/23 08	8:15		Work Order ID:	E309079
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09	9:05		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		7:00 (4 day TAT)		088	
	· · ·						
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il 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		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?		Yes				
• •	S .						
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	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 ar minutes of sampling	e received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	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		Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	ry?	No				
	subcontract laboratory specified by the client and i	-	NA ;	Subcontract Lab	: NA		
Client In	struction						

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

— (

Date

envirotech Inc.

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309080

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309080

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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)

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Sample Summary

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ſ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
١	13000 W County RD 100	Project Number:	23007-0001	Reported.
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03 1'	E309080-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:27:46AM

FS03 1' E309080-01

		E309080-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2337031
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2337031
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/13/23	
Surrogate: n-Nonane		99.0 %	50-200	09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



Forty Acres Energy, LLC Atlantic State #003 Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:27:46AM **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 (2337031-BLK1) Prepared: 09/12/23 Analyzed: 09/12/23 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 7.62 8.00 95.2 70-130 LCS (2337031-BS1) Prepared: 09/12/23 Analyzed: 09/12/23 4.96 5.00 99.2 70-130 0.0250 Benzene Ethylbenzene 4.83 0.0250 5.00 96.6 70-130 4.99 99.8 70-130 Toluene 0.0250 5.00 4.94 98.7 70-130 o-Xylene 0.0250 5.00 9.99 0.0500 10.0 99.9 70-130 p,m-Xylene 14.9 99.5 70-130 0.0250 15.0 Total Xylenes 8.00 70-130 94.3 Surrogate: 4-Bromochlorobenzene-PID 7.54

Matrix Spike (2337031-MS1)				Source:	E309091-	03	Prepared: 09/12/23 Analyzed: 09/12/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133	
Toluene	4.96	0.0250	5.00	ND	99.1	61-130	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131	
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130	

Matrix Spike Dup (2337031-MSD1)				Source:	E309091-	03	Prepared: 09	0/12/23 Analyzed: 09/12/23	
Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			

Forty Acres Energy, LLC Project Name: Atlantic State #003 Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:27:46AM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9.	/14/2023 10:27:46AN
	Non	halogenated			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 (2337031-BLK1)							Prepared: 0	9/12/23 An	alyzed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130			
LCS (2337031-BS2)							Prepared: 0	9/12/23 An	alyzed: 09/12/23
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			
Matrix Spike (2337031-MS2)				Source:	E309091-	03	Prepared: 0	9/12/23 An	alyzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
Matrix Spike Dup (2337031-MSD2)				Source:	E309091-	03	Prepared: 0	9/12/23 An	alyzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130	1.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			



Forty Acres Energy, LLC
Project Name: Atlantic State #003
Reported:
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/14/2023 10:27:46AM

,		, ,							
	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 (2337030-BLK1)							Prepared: 0	9/12/23 Ana	alyzed: 09/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23 Ana	alyzed: 09/12/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 Ana	alyzed: 09/12/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 Ana	alyzed: 09/12/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			

Chloride

Chloride

Chloride

Matrix Spike (2337044-MS1)

Matrix Spike Dup (2337044-MSD1)

241

241

244

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manager	: 23	tlantic State # 3007-0001 rick Herrera	4003				Reported: 9/14/2023 10:27:46AM
		Anions	by EPA 3	300.0/9056	A				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 (2337044-BLK1)							Prepared: 0	9/12/23 <i>A</i>	Analyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 A	Analyzed: 09/13/23

250

250

250

20.0

20.0

20.0

90-110

80-120

80-120

1.45

Prepared: 09/12/23 Analyzed: 09/13/23

Prepared: 09/12/23 Analyzed: 09/13/23

20

96.5

96.3

97.7

Source: E309077-01

Source: E309077-01

ND

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

l	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
l	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:27

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.



Address: 13000 W County Rd 100 City, State, 2ip, Odessa, 17, 79765 Phone: (281)777-4152 Imail: erick@etechenv.com, Joseph@etechenv.com Collected by: Edyte Konan Timel Date Sampled Matrib Contents Sample ID Total Date Sampled Date Sampled Matrib Contents Sample ID FS03 Additional instructions: LifeMid sampler), attest to the validity and authenticity of this sample. Lam sewere that tampering with or intentionally midabiling the sample location, Sample date or time of collection is considered fraud and may be grounds for legal action. Sampled Date Sa	Page 1															of Custody	- Chain						Project In
Address: 13000 W County Rd 100 City, State, Zip Odessa, TX, 79765 Phone: (281)777-4152 Email: email: state fund matrix state from the sample of the sample of the sample of the sample of the sample. In the sample of the sample of the sample of the sample. It is make the sample of the sample of the sample. It is make the sample of the sample. It is make the sample of the sample of the sample. It is make the sample of the sample of the sample. It is make the sample of the sample of the sample of the sample. It is make the sample of the sample. It is make the sample of the sample of the sample of the sample of the sample. It is make the sample of the sa							т	 -			- 0=	- 110	12				Bill To	\top			gy, LLC.	ty Acres Ene	Client: Fo
Address: 13000 W County Rd 100 City, State, Zip, Odessa, TX, 79765 Phone: (281)F774152 Email: erick@etechenv.com, joseph@etechenv.com Collected by: Edyte Konan Times sampled Date Sampled Matrix continues Sample ID Date Sampled Date Sampled Matrix Continues Sample ID Date Sampled Date Sampled Date Sampled Date Sample ID Additional Instructions: 1, (field sampler), attest to the validity and authensicity of this sample. Lam aware that tampering with or insentionally mislabelling the sample location, sampled by: Sampled Date Sampler ID Additional Instructions: 1, (field sampler), attest to the validity and authensicity of this sample. Lam aware that tampering with or insentionally mislabelling the sample location, sampled by: Sampled Date Sampler ID Analyzis and Method Analyzis and Me	PA Program					120	10		har				LO	1/O#	Lab	California Inc		A					
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Phone: (2432)563-2200 Email: erick@etechenv.com, joseph@etechenv.com Collected by: Edyte Konan Time Sampled Obto Sampled Matrix Sampled Doto S	- PCB	├──	19 1A1			ــــــــا	<u> </u>				77	_	<u> </u>	<u> </u>									
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Relinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C	_						1		no °C	Tem	AVG					Date	Received by: (Signature)	Time					
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				-	Δ	- VO/							o - pc	lass,	2: R - I	Container Type			us, O - Other	e, A - Aquec	l, Sg - Sludg	: S · Sail, Sd · Sali	Sample Mate



Printed: 9/11/2023 11:56:55AM

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.

Phone: 281) 777-4152	Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08	3:15		Work Order ID:	E309080
Email: crick@etechenv.com Due Date: 09/15/23 17:00 (4 day TAT) Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier?	Phone:	(281) 777-4152	Date Logged In:	09/11/23 09	0:06		Logged In By:	Caitlin Mars
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? No 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							<i>55</i> ,	
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17. Was a trip blank (TB) included for VOC analyses? NA		_						
18. Are non-VOC samples collected in the correct containers? Yes		• • •		NA				
19. Is the appropriate volume/weight or number of sample containers collected?	19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Label								
20. Were field sample labels filled out with the minimum information: Sample ID? Yes			ormation:	Voc				
Date/Time Collected? Yes		•			L			
Collectors name? Yes								
Sample Preservation	Sample P	reservation		100				
21. Does the COC or field labels indicate the samples were preserved?			reserved?	No				
22. Are sample(s) correctly preserved?	22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab filteration required and/or requested for dissolved metals?	24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multiphase Sample Matrix	Multipha	se Sample Matrix						
26. Does the sample have more than one phase, i.e., multiphase?	26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes, does the COC specify which phase(s) is to be analyzed?	27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontract Laboratory	Subcontr	act Laboratory						
28. Are samples required to get sent to a subcontract laboratory? No			rv?	No				
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA			-		Subcontract Lab:	NA		
Client Instruction								

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

— (

Date

envirotech Inc.

Report to:
Erick Herrera







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309081

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309081

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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

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

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

_				
ſ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
ı	13000 W County RD 100	Project Number:	23007-0001	Keporteu.
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04 1'	E309081-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:26:30AM

FS04 1' E309081-01

		E309081-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
, ·				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2337031
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2337031
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/13/23	
Surrogate: n-Nonane		99.1 %	50-200	09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2337044
Chloride	98.2	20.0	1	09/12/23	09/14/23	



Atlantic State #003 Forty Acres Energy, LLC Project Name: Reported: 13000 W County RD 100 Project Number: 23007-0001 Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:26:30AM **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 (2337031-BLK1) Prepared: 09/12/23 Analyzed: 09/12/23 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 7.62 8.00 95.2 70-130 LCS (2337031-BS1) Prepared: 09/12/23 Analyzed: 09/12/23 4.96 5.00 99.2 70-130 Benzene 0.0250 Ethylbenzene 4.83 0.0250 5.00 96.6 70-130 4.99 0.0250 5.00 99.8 70-130 Toluene 98.7 o-Xylene 4.94 0.0250 5.00 70-130 9.99 10.0 99.9 70-130 0.0500 p.m-Xvlene 99.5 70-130 14.9 15.0 Total Xylenes 0.0250 8.00 94.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.54 Matrix Spike (2337031-MS1) Source: E309091-03 Prepared: 09/12/23 Analyzed: 09/12/23 4.92 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.78 0.0250 5.00 95.6 Toluene 4.96 0.0250 5.00 ND 99.1 61-130 4.89 ND 97.8 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.91 0.0500 10.0 ND 99.1 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.39 8.00 Matrix Spike Dup (2337031-MSD1) Source: E309091-03 Prepared: 09/12/23 Analyzed: 09/12/23 4.87 0.0250 5.00 ND 97.4 54-133 1.05 20 61-133 0.909 4.74 0.0250 5.00 ND 94.7 20 Ethylbenzene

98.0

96.9

98.0

97.6

92.2

ND

ND

ND

ND

61-130

63-131

63-131

63-131

70-130

1.13

0.912

1.09

1.03

20

20

20

20



4 90

4.85

9.80

14.6

7.37

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	•
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:26:30AM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9/14	/2023 10:26:30AM
	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 (2337031-BLK1)							Prepared: 0	9/12/23 Analy	zed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130			
LCS (2337031-BS2)							Prepared: 0	9/12/23 Analy	zed: 09/12/23
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			
Matrix Spike (2337031-MS2)				Source:	E309091-	03	Prepared: 0	9/12/23 Analy	zed: 09/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
Matrix Spike Dup (2337031-MSD2)				Source:	E309091-	03	Prepared: 0	9/12/23 Analy	zed: 09/12/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130	1.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.73		8.00		84.1	70-130			

Forty Acres Energy, LLC
Project Name: Atlantic State #003
Reported:
13000 W County RD 100
Project Number: 23007-0001
Odessa TX, 79765
Project Manager: Erick Herrera
9/14/2023 10:26:30AM

Guessa 171, 77705		Troject Manage	. 21	ick ficificia					
	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 (2337030-BLK1)							Prepared: 0	9/12/23 Analy	yzed: 09/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23 Analy	yzed: 09/12/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 Analy	yzed: 09/12/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 Analy	yzed: 09/12/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			

Matrix Spike (2337044-MS1)

Matrix Spike Dup (2337044-MSD1)

Chloride

Chloride

241

244

Prepared: 09/12/23 Analyzed: 09/13/23

Prepared: 09/12/23 Analyzed: 09/13/23

20

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Atlantic State # 3007-0001	003				Reported:
Odessa TX, 79765		Project Manager		rick Herrera				9	9/14/2023 10:26:30AM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337044-BLK1)							Prepared: 0	9/12/23 Aı	nalyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 Aı	nalyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			

250

250

20.0

20.0

Source: E309077-01

Source: E309077-01

96.3

97.7

80-120

80-120

1.45

ND

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:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:26

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: Forty Acres Energy, LLC. Bill To							Lab Use Only							TAT E						- CDA 6	
	Atlantic State				AI	tention: Etech Environmental & Safety	Salutions Inc	Lab WO# Job Number					٦,	1D 2D 3D Standard			do-ed		rogram			
	Aanager: Erick				A	ddress: 13000 W County Rd 100	Solutions, Inc.	F	2 M	09081 23007.000					ı۴	4	1	30		andard day TAT	CWA	SDWA
	13000 W Cou							-	עב	70				nd Meth			1		2 0	Jay IAI		BCDA
	e, Zip_Odessa		55		Pi	none: (432)563-2200		-	12	T	·	A	/313 @.	IC MELL	100	_						RCRA
	ne: (281)777-4152							ĝ	1							-	1	- 1		State	<u> </u>	
mail: er	ick@etechen	v.com, jos	seph@et	echenv.co		O: N/A	****		8				,		- .	5	-			NM CO		TTVI
	by: Edyte Ko	nan				cident ID: naPP2321654246		_	Ę	17 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		20	8			₹		4		MIVI CO	UI NE	 '^
Time Sampled	Date Sampled	Matrix	No of Containers	Sample II			Lab Number	Depth(fr.)	TPH GRO/DRO/ORO by	8TEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0			86000		2000			Remarks	<u> </u>
10:30	9/8/2023	S	1			FS04		1'	F«	8 iso	Š	≥	D		Т	X	+	5	\dashv			
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	al Instruction								•	·				t			!					
	pler), attest to the of collection is cor					at tampering with or intentionally mislabelling Sampled by:	the sample location	٥,												on ice the day t		xled or
Relinquished by: (Signature) Date Time Received by: (Signature) 09108123 15:30 MICHEUE GO				Received by: (Signature) MICNEUL GONZALES	09-08-23 Time Lab Use Only Received on ice: (X)/ N																	
Relinquishe MI(ed by: (Signature CHELLE GON	izales	Date 09	-08-23	Time 1815	Received by: Kigristure) Date /		3 8:15		-	T1											
Relinquishe	ed by: (Signature)	Date		Time	Received by: (Signature)	Date	Time			AVG Temp °C 4											
Sample Matr	rtx: S - Soil, Sd - Soi	id, Se - Slude	e, A - Aque	ous, O - Other	′		Container Typ	e: g -	glass	s, p - p					glass	5. V - '	VOA					
Note: Samp	oles are discarder	d 30 days a	fter result	are reporte	ed unless other with this COC.	arrangements are made. Hazardous sar The liability of the laboratory is limited to	mples will be retu	rned t	o clie	ent or d	ispos	ed of	at the	client ex	pens	e. Th	o re	port fo	or the	analysis of	the above	samples t



Printed: 9/11/2023 11:58:13AM

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:	09/11/23 08	3:15		Work Order ID:	E309081
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09	9:07		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		7:00 (4 day TAT)		20 ,	
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes	_		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler cooler received?		Yes				
	was cooler received in good condition?		Yes				
• •	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
	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	re received w/i 15	Yes				
13. If no v	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C							
	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		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	nel field sample labels filled out with the minimum inf	ormation					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were p	reserved?	No				
	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborate	ory?	No				
	subcontract laboratory specified by the client and i	-	NA S	Subcontract Lab:	: NA		
Client In	struction						
							

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: Atlantic State #003

Work Order: E309082

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309082

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Donoutodi
l	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS05 1'	E309082-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:25:11AM

FS05 1' E309082-01

		E307002-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337031
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2337031
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/13/23	
Surrogate: n-Nonane		101 %	50-200	09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2337044
Chloride	70.5	20.0	1	09/12/23	09/14/23	



QC Summary Data

	_		
Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	4.
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:25:11AM

Toluene ND 0.0250	Rec Limits %	RPD % Prepared: 09	RPD Limit %	Analyst: IY Notes yzed: 09/12/23
Analyte Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg % Blank (2337031-BLK1) Benzene ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250	Limits	%	RPD Limit %	Notes
Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg mg/kg %	Limits	%	Limit %	
Blank (2337031-BLK1) Benzene ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250	%			
ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 O.0250 O.0250		Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Ethylbenzene ND 0.0250 Toluene ND 0.0250				
Toluene ND 0.0250				
p-Xylene ND 0.0250				
p,m-Xylene ND 0.0500				
Total Xylenes ND 0.0250				
Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.2	70-130			
LCS (2337031-BS1)		Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene 4.96 0.0250 5.00 99.2	70-130			
Ethylbenzene 4.83 0.0250 5.00 96.6	70-130			
Toluene 4.99 0.0250 5.00 99.8	70-130			
p-Xylene 4.94 0.0250 5.00 98.7	70-130			
p,m-Xylene 9.99 0.0500 10.0 99.9	70-130			
Total Xylenes 14.9 0.0250 15.0 99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID 7.54 8.00 94.3	70-130			
Matrix Spike (2337031-MS1) Source: E309091-03	3	Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene 4.92 0.0250 5.00 ND 98.4	54-133			
Ethylbenzene 4.78 0.0250 5.00 ND 95.6	61-133			
Toluene 4.96 0.0250 5.00 ND 99.1	61-130			
o-Xylene 4.89 0.0250 5.00 ND 97.8	63-131			
p,m-Xylene 9.91 0.0500 10.0 ND 99.1	63-131			
Total Xylenes 14.8 0.0250 15.0 ND 98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID 7.39 8.00 92.4	70-130			
Matrix Spike Dup (2337031-MSD1) Source: E309091-03	3	Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene 4.87 0.0250 5.00 ND 97.4	54-133	1.05	20	
Ethylbenzene 4.74 0.0250 5.00 ND 94.7	61-133	0.909	20	
Toluene 4.90 0.0250 5.00 ND 98.0	61-130	1.13	20	
o-Xylene 4.85 0.0250 5.00 ND 96.9	63-131	0.912	20	
p,m-Xylene 9.80 0.0500 10.0 ND 98.0	63-131	1.09	20	
Total Xylenes 14.6 0.0250 15.0 ND 97.6	63-131	1.03	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Forty Acres Energy, LLC Project Name: Atlantic State #003 Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:25:11AM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9/	14/2023 10:25:11AN
	Non	halogenated	Organics	by EPA 80	15D - G	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 (2337031-BLK1)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130			
LCS (2337031-BS2)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			
Matrix Spike (2337031-MS2)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
Matrix Spike Dup (2337031-MSD2)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130	1.57	20	

8.00

84.1

70-130

6.73

QC Summary Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:25:11AM

Odessa 1X, /9/65		Project Manager	r: En	ck Herrera					9/14/2023 10:23:11AN
	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 (2337030-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-0	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-0	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
urrogate: n-Nonane	48.3		50.0		96.5	50-200			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Number:	Atlantic State #003 23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:25:11AM

		Anions	by EPA 3	00.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337044-BLK1)							Prepared: 0	9/12/23 An	alyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 An	alyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 An	alyzed: 09/13/23
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)				Source:	E309077-	01	Prepared: 0	9/12/23 An	alyzed: 09/13/23
Chloride	244	20.0	250	ND	97.7	80-120	1.45	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:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:25

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.



िlient: Fc	orty Acres Ene	ergy, LLC.				T	Bill To																
Project: A	Atlantic State	#003	· · · · · · · · · · · · · · · · · · ·		-	1			↓				se On						TAT				rogram
Project N	Manager: Erich	k Herrera			-	Add	ention: Etech Environmental & Safety : dress: 13000 W County Rd 100	Solutions, Inc.	Lab	WOH	100	, つ	Job	Numi	ber • ∕ ∕ ∕ ∕ ∕ ∕ ∕	<u>, 10</u>	20	30	미		ndard	CWA	SDWA
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3 ampled		Matrix	Containers	Sample II	<u> </u>			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		B600C		8	<u> </u>			Remarks	;
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date or time	of collection is co	onsidered frau				ion.	t tampering with or intentionally mislabelling Sempled by:	the sample location	x,												on ice the day of 6 °C on subse		pled or
	ed by: (Signature	~	Date 094	108123	Time 15 ; 3	30	Received by: (Signature) Michelle Gonzales	Date 09-08-23	3	Time	530		Rece	eived	on ice:		Lab L		Only	<i>-</i>			
Relinquishe MIC	ed by: (signature Chelle Gon	izales		9-08-23	1815	5	Recoved by Signature Man	9.11.22	3_		15		Tı			12	·			. 1	Г З		
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	rix: S - Soil, Sd - Soi							Container Typ	pe: g	- glass	, p - r	poly/p	plastic	c, ag -	amber	glass,	. v - V	OA			***************************************		
							rrangements are made. Hazardous same liability of the laboratory is limited to	mples will be retu	urned (to clies	nt or c	dispos	ed of	at the	client ex	pense	. The	repo	ert fo	or the	analysis o	the above	e samples is

Printed: 9/11/2023 11:59:38AM

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:	09/11/23 08	3:15		Work Order ID:	E309082
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09	9:09		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		7:00 (4 day TAT)		<i>22</i> ,	
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	ourier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes				
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>Comments</u>	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	C <u>ooler</u> sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
• .	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
	, 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	re received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	e temperature: 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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes				
Field Lal							
	field sample labels filled out with the minimum inf ample ID?	ormation:	Yes				
	late/Time Collected?		Yes	L			
	ollectors name?		Yes				
Sample F	Preservation		100				
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved in	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipla	ase?	No				
	, does the COC specify which phase(s) is to be anal		NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and	•		Subcontract Lab	: NA		
	nstruction		•	24000111401 240			
<u>enene n</u>	istraction .						

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: Atlantic State #003

Work Order: E309083

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309083

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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

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labadmin@envirotech-inc.com

Field Offices:

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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



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Sample Summary

_				
ſ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
ı	13000 W County RD 100	Project Number:	23007-0001	Keporteu:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:23

Client Sample ID	Lab Sample ID N	Matrix	Sampled	Received	Container
FS06 1'	E309083-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:23:47AM

FS06 1' E309083-01

		2007000 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2337031
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2337031
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/13/23	
Surrogate: n-Nonane		98.4 %	50-200	09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



OC Summary Data

	₹ 5 .5 52.2.	J = 3333	
Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	· ·
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:23:47AM
	Volatile Orga	nics by EPA 8021B	Analyst: IY

Odessa TX, 79765		Project Manager		rick Herrera				9/	4/2023 10:23:47AM
	Volatile Organics by EPA 8021B						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 (2337031-BLK1)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
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	7.62		8.00		95.2	70-130			
LCS (2337031-BS1)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.94	0.0250	5.00		98.7	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			
Matrix Spike (2337031-MS1)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130		<u> </u>	<u> </u>
Matrix Spike Dup (2337031-MSD1)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23
Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Forty Acres Energy, LLC Project Name: Atlantic State #003 Reported:
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:23:47AM

Odessa TX, 79765		Project Manage	r: Er	ick Herrera				9/1	4/2023 10:23:47AM
	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 (2337031-BLK1)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130			
LCS (2337031-BS2)							Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			
Matrix Spike (2337031-MS2)				Source:	E309091-	03	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
Matrix Spike Dup (2337031-MSD2)				Source:	E309091-	03	Prepared: 0	9/12/23 Anal	yzed: 09/12/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.3	70-130	1.57	20	

8.00

6.73

84.1

70-130



QC Summary Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:23:47AM

Odessa 1X, /9/65		Project Manager	r. En	ck Herrera					9/14/2023 10:23:4/AN
	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 (2337030-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
CS (2337030-BS1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
riesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-0	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
tiesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-0	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
tiesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
urrogate: n-Nonane	48.3		50.0		96.5	50-200			



Matrix Spike Dup (2337044-MSD1)

Chloride

244

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number Project Manager	: 2	tlantic State # 3007-0001 rick Herrera	003			9	Reported: 0/14/2023 10:23:47AM
		Anions	by EPA	300.0/9056	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 (2337044-BLK1)							Prepared: 0	9/12/23 An	nalyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 An	nalyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 An	nalyzed: 09/13/23
Chloride	241	20.0	250	ND	96.3	80-120			

250

20.0

Source: E309077-01

97.7

80-120

1.45

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: 09/12/23 Analyzed: 09/13/23

20

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:23

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.



lient: Fo	rty Acres Ene	rgy, LLC				Bill To		ι			h 114	e Or	.hv					TA	\T		EPA P	rogram
roject: A	tlantic State	#003		····			* alicate and the	164	14/04					her		1D	חנ	30		andard	CWA	SDWA
Project M	anager: Erick	Herrera		··········		ntion: Etech Environmental & Safety ! ress: 13000 W County Rd 100	solutions, Inc.	벁	₹ \	78	2	100		ber	SI.	20				TAT yet	0.117.	
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City, State	e, Zip_Odessa	TX 7976				ne: (432)563-2200		├	T ≥	Т	T	T	rais di	IN INIE	1100							
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Sampled	Date Sampled	Matrix	No. of Container	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		СБОС			Remarks	
10:50	9/8/2023	S	1			FS06	1	1'								X						
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) a chancio	n, of this a small	a i am aware tha	tampering with or intentionally mislabelling	the sample locate	on,				Samp	les requ	aring the	rmal p	reservi	stion m	ust be r	eceivec	on ice the day	they are sarr	pled or
	e of collection is a					Sampled by:	-					receh	red paci	ked in ice	at an	avg ter	np abo	ve 0 but	less th	an 6 °C on sub	sequent days.	
	ed by: (Signatur		D		Time 15:30	Received by: (Signature) Michelle Gonzales	Date 09-08-2	23	Time	530		Rec	eive	d on ic	ce:		ab U:	se Or	ily			
Relinquish	ned by: (Signatur	re)	D.	9-08-23	Turne 1815	Received by: Algorithms	9.11.2			:/5		T1		10		T2		-		Т3		
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Sample Ma	tnx: S - Soil, Sd - S	iolid, Sg - Sha	dge, A - Aq	ueous, O - Othe			moles will be set	he. R	to cit	ent or	disna	sed n	f at th	e client	expe	ense.	The	report	for th	ne analysis o	of the abov	e samples is
Note: San	ples are discard	led 30 days	after resi	its are report he laboratory	ed unless other a with this COC. Ti	arrangements are made. Hazardous sa he liability of the laboratory is limited to	o the amount pai	d for	on the	e tebo	rt.	U	. 4. 111									
japplicable	e only to those s	ampies reci	CIVEU UY L	~ ~~~																		



Printed: 9/11/2023 12:01:01PM

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:	09/11/23	08:15		Work Order ID:	E309083
Phone:	(281) 777-4152	Date Logged In:	09/11/23	09:10		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com	Due Date:		17:00 (4 day TAT)			
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 sa	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
Cample T	i.e, 15 minute hold time, are not included in this disucssion	on.		Г		<u>comment</u>	
	Urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
	· •		168				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?						
•	•		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	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				
18. Are no	on-VOC samples collected in the correct containers:	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	_			
	ollectors name?		Yes				
	reservation the COC or field labels indicate the samples were pr	osomiod?	No				
	ample(s) correctly preserved?	escived:	No NA				
	filteration required and/or requested for dissolved m	netalc?	No				
	•	ictais:	NU				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphase		No				
27. If yes,	does the COC specify which phase(s) is to be analy	/zed?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	f so who?	NA	Subcontract Lab:	NA		
Client In	astruction_						

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: Atlantic State #003

Work Order: E309084

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/14/23

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: 9/14/23

Erick Herrera 13000 W County RD 100 Odessa, TX 79765

Project Name: Atlantic State #003

Workorder: E309084

Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/11/2023 8:15:00AM, under the Project Name: Atlantic State #003.

The analytical test results summarized in this report with the Project Name: Atlantic State #003 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

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Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Γ	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Donoutoda
ı	13000 W County RD 100	Project Number:	23007-0001	Reported:
l	Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:22

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
FS07 1'	E309084-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



Sample Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:22:53AM

FS07 1' E309084-01

	E309084-01				
	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2337031
ND	0.0250	1	09/12/23	09/12/23	
ND	0.0250	1	09/12/23	09/12/23	
ND	0.0250	1	09/12/23	09/12/23	
ND	0.0250	1	09/12/23	09/12/23	
ND	0.0500	1	09/12/23	09/12/23	
ND	0.0250	1	09/12/23	09/12/23	
	93.0 %	70-130	09/12/23	09/12/23	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2337031
ND	20.0	1	09/12/23	09/12/23	
	84.1 %	70-130	09/12/23	09/12/23	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2337030
69.5	25.0	1	09/12/23	09/13/23	
ND	50.0	1	09/12/23	09/13/23	
	97.2 %	50-200	09/12/23	09/13/23	
mg/kg	mg/kg	Ana	alyst: BA		Batch: 2337044
258	20.0	1	09/12/23	09/14/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 69.5 ND	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg And ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 93.0 % 70-130 70-130 mg/kg mg/kg And MD 20.0 1 84.1 % 70-130 mg/kg mg/kg And 69.5 25.0 1 ND 50.0 1 97.2 % 50-200 mg/kg Mg/kg And	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/12/23 ND 0.0250 1 09/12/23 ND 0.0250 1 09/12/23 ND 0.0500 1 09/12/23 ND 0.0250 1 09/12/23 mg/kg mg/kg Analyst: IY ND 20.0 1 09/12/23 mg/kg mg/kg Analyst: JL 69.5 25.0 1 09/12/23 ND 50.0 1 09/12/23 ND 50.0 1 09/12/23 Mg/kg Mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/12/23 09/12/23 ND 0.0250 1 09/12/23 09/12/23 ND 0.0250 1 09/12/23 09/12/23 ND 0.0500 1 09/12/23 09/12/23 ND 0.0250 1 09/12/23 09/12/23 ND 0.0250 1 09/12/23 09/12/23 mg/kg mg/kg Analyst: IY ND 09/12/23 Mg/kg mg/kg Analyst: IY ND 09/12/23 09/12/23 mg/kg mg/kg Analyst: JL 09/12/23 09/12/23 09/12/23 Mg/kg mg/kg Analyst: JL 09/12/23 09/13/23 09/13/23 mg/kg mg/kg Analyst: BA 09/12/23 09/13/23



QC Summary Data

	~	•	
Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23007-0001	•
Odessa TX, 79765	Project Manager:	Erick Herrera	9/14/2023 10:22:53AM
	Volatile Orga	nics by EPA 8021R	Analast IV

Odessa TX, 79765		Project Number: Project Manager:		rick Herrera				9/1	4/2023 10:22:53AM
		Volatile O	rganics l	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 (2337031-BLK1)							Prepared: 09	9/12/23 Anal	yzed: 09/12/23
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	7.62		8.00		95.2	70-130			
LCS (2337031-BS1)							Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.6	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.94	0.0250	5.00		98.7	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			
Matrix Spike (2337031-MS1)				Source: 1	E309091-	03	Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			
Matrix Spike Dup (2337031-MSD1)				Source:	E309091-	03	Prepared: 09	9/12/23 Anal	yzed: 09/12/23
Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Forty Acres Energy, LLC Project Name: Atlantic State #003
13000 W County RD 100 Project Number: 23007-0001
Odessa TX, 79765 Project Manager: Erick Herrera 9/14/2023 10:22:53AM

Odessa TX, 79765		Project Manager	r: Er	ick Herrera				9/1	4/2023 10:22:53AN			
	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			
Blank (2337031-BLK1)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23			
Gasoline Range Organics (C6-C10)	ND	20.0										
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130						
LCS (2337031-BS2)							Prepared: 0	9/12/23 Ana	lyzed: 09/12/23			
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130						
Matrix Spike (2337031-MS2)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23			
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130						
Matrix Spike Dup (2337031-MSD2)				Source:	E309091-	03	Prepared: 0	9/12/23 Ana	lyzed: 09/12/23			

50.0 8.00 ND

84.1

70-130

70-130

1.57

20

41.2

6.73

20.0

QC Summary Data

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
,	Project Number: Project Manager:	23007-0001 Erick Herrera	9/14/2023 10:22:53AM

Odessa 1A, 79763		Project Manager	: En	ск пенена					9/14/2023 10.22.33A1
	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 (2337030-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
CS (2337030-BS1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
iesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	47.6		50.0		95.1	50-200			
latrix Spike (2337030-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
iesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Aatrix Spike Dup (2337030-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23	Analyzed: 09/12/23
iesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	

Matrix Spike Dup (2337044-MSD1)

Chloride

QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager	003		Reported: 9/14/2023 10:22:53AM				
		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 (2337044-BLK1)							Prepared: 0	9/12/23 Ar	nalyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 Ar	nalyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 Ar	nalyzed: 09/13/23
Chloride	241	20.0	250	ND	96.3	80-120			

250

20.0

Source: E309077-01

97.7

80-120

1.45

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: 09/12/23 Analyzed: 09/13/23

20

Definitions and Notes

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
Odessa TX, 79765	Project Manager:	Erick Herrera	09/14/23 10:22

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.



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Project: Atlantic State #003					At	Attention: Etech Environmental & Safety Solutions, Inc.			Lab WO# E 309084			_	Job Number			1	D 2	DΤ	3D	Standard	CWA	SDWA
Project Manager: Erick Herrera				Ac	Address: 13000 W County Rd 100			F	309	20	4			.000	ΝĒ	+	_		5 day TAT			
	13000 W Cou														d Met					1		RCRA
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@ envirotech

Printed: 9/11/2023 12:04:57PM

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.

Please (28) 1774-182 Due Dance (28) 1725-182 Due Dance (28) 1725-1876 (4 kay TAT) Control of Controls (COC) Coc) Co	Client:	Forty Acres Energy, LLC	Date Received:	09/11/23	08:15	Work Order ID:	E309084
Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by eliginator carrier? 4. Wis the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding sime? 5. Were all samples received within holding sime? 6. Were all samples received within holding sime? 7. Were all samples received within holding sime? 7. Were all samples received many are not included in this disuession. Sample Tourn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received insect, i.e., not broken? 7. Was as sample cooler received insect, i.e., not broken? 7. Were custody/security seals instact? 7. Was a try black part of the samples are received will 5 minutes of sampling 7. If you, were custody/security seals instact? 7. Was a try black per security 7. We were custody/security seals instact? 8. Are anylose circle the temperature. Actual sample temperature: 8. Are anylose circle the temperature. Actual sample temperature: 9. Sample Container 1. Was a try black (TB) included for VOC analyses? 1. Are a voor Scamples present? 1. Was a try black (TB) included for VOC analyses? 1. Are a voor Samples collected in the correct containers? 1. Are a voor Scamples present? 1. Was a try black (TB) included for VOC analyses? 1. Are a voor Or field libeled in the correct containers? 1. Are a voor Or field libeled in the correct containers? 1. Are a voor or field in the correct containers? 1. Are a voor or field in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the correct containers? 1. Are a voor or field libeled in the co	Phone:	(281) 777-4152	Date Logged In:	09/11/23	09:12	Logged In By:	Caitlin Mars
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	Client I	<u>nstruction</u>					

Date

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: Wednesday, August 30, 2023 4:55 PM

To: Erick Herrera

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

Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 9/7 - 9/8/23

Good afternoon 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: Wednesday, August 30, 2023 3:37 PM

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

Cc: Ryan Swift <ryan@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; James Martinez

<james@faenergyus.com>

Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 9/7 - 9/8/23

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

Good afternoon,

40 Acres Energy anticipates conducting confirmation soil sampling activities at the following site from September 7th & September 8th.

Proposed Date: September 7, 2023 & September 8, 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 273289

CONDITIONS

Operator:	OGRID:
FORTY ACRES ENERGY, LLC	371416
11757 KATY FWY	Action Number:
HOUSTON, TX 77079173	273289
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/21/2023