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

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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 371416	
Contact Name Alex Bolanos	Contact Telephone 832-389-3788	
Contact email alex@faenergyus.com Incident # (assigned by OCD) nAPP2321654246		
Contact mailing address 11757 Katy FWY Suite 725, Houston, TX 77079		

Location of Release Source

Latitude 32.4490166

(NAD 83 in decimal degrees to 5 decimal places)

Site Name ATLANTIC STATE #003	Site Type Well
Date Release Discovered 08/02/2022	API# (if applicable) 30-025-03508

Unit Letter	Section	Township	Range	County
I	25	21S	35E	Lea

Surface Owner: State Federal Tribal Private (Name: Merchant Cattle Company

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls) 27 bbls	Volume Recovered (bbls) 0 bbls
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Stuff	fing Box Leak.	

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1111 (-141		Incident ID	NAPP2321654246
2 Oil Conservation Division	District RP		
	Facility ID		
	Application ID		
Was this a major release as defined by 19.15.29.7(A) NMAC? Yes No	If YES, for what reason(s) does the responsible part Greater than 25 bbls.	ty consider this a major release	?
If YES, was immediate n	hotice given to the OCD? By whom? To whom? Wh	en and by what means (phone,	email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC 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 within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Alex Bolanos	Title: Reg/Prod Analyst
Signature: Alex Bolanos	Date: 8/4/2023
email: alex@faenergyus.com	Telephone: 832-689-3788
	1
OCD Only	
Received by: Shelly Wells	Date: 8/7/2023

Oil Conservation Division

	Page 3 of 14
Incident ID	NAPP2321654246
District RP	
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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- \boxtimes Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 10/6/20 Form C-141 Page 4	23 12:48:20 PM State of New Mexico Oil Conservation Divisi		Incident ID District RP Facility ID Application ID	Page 4 of 145 NAPP2321654246
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	prmation given above is true and complete to required to report and/or file certain release ment. The acceptance of a C-141 report by gate and remediate contamination that pose a of a C-141 report does not relieve the operato	notifications and perform of the OCD does not relieve th a threat to groundwater, sur- pr of responsibility for com	corrective actions for rele ne operator of liability shi face water, human health pliance with any other fee	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Printed Name: Alex Bo	lanos	_{Title:} Regulatory	& Production Ana	lyst
Signature: Alex	Bolanos		23	
email: alex@faener	gyus.com	Telephone: 832-6	89-3788	
OCD Only Received by:		Date:		

Page 6

Oil Conservation Division

Incident ID	NAPP2321654246
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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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Alex Bo	lanos	_ _{Title:} Regula	tory & Production Analyst	
Signature: Alex 2	Bolanos	Date: 12/06/2	023	
email: alex@faenergy	us.com	Telephone: (832)689-3788		
OCD Only				
Received by:		Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible				
party of compliance with	any other federal, state, or local laws and/	or regulations.		
Closure Approved by: Printed Name:	Nelson Velez	Date:	12/22/2023	
Printed Name:	Nelson 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.



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.

Erich

Erick Herrera Staff Geologist

Joseph S. Hernandez Senior Managing Geologist

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



Appendices:

Appendix A	Figure 1: Site Map
	Figure 1A: Site Characterization Map – Groundwater
	Figure 1B: Site Characterization Map – Surficial Receptors
	Figure 1C: Site Characterization Map – Karst Potential
	Figure 2: Delineation Soil Sample Locations
	Figure 3: 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

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APPENDIX A

Figures















APPENDIX B

Referenced Well Record and Ground Water Measurement Form



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STATE ENGINEER OFFICE

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 undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct-record of the above described wellage and the state of the above described wellage and the state of the state

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the lift Catching Theorem could be consider to a grant of grant of the transformer and submitted for an - of the count office of the Stree Wester of the sources denoted from a fille and the angle of a submitted for - of the count office of the Stree Wester of the sources of the Street of the angle of the theory of the submit - of the count of the fille of the function of the count of the sources of the source of the count of the count of the submitted for the - of the count of the fille of the fille of the count of the submitted for the count of the coun

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PETT BECORD

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Released to Imaging: 12/22/2023 9:31:21 AM

ELLEY DECEMBER COLORS

Received by OCD: 10/6/2023 12:48:201 Owner: DASCO Cattle Company Project Name: GW Measurement Project Location: X 659663 Y 3591676 Project Manager:		GROUN	DWATER ME	ASUREMEN	NT FORM			<u>Page 21 of</u>
<u>SAMPLING INFORMATION</u> Date Completed: 7-14-2022 Total Depth of Monitor Well: 270 feet Uُعِز] ۲۱: <u>Atlee Snyder - 575-631-9438</u>	Soil Boring Project #: <u>N</u> Other Note	er:CP 00539			663 3591676*			
Tubing Placement GW Depth (static)		Temp. pH (°C) (unities) NR NR Image:	DO (mg/L) NR		Cond. (mS/cm)	GW Depth (feet) 230	Comments: NA = Not Available NR = Not Recorded	

APPENDIX C

Soil Sampling Logs



	Sample Name: DU01	ata: 00/08/2022		
(STEAL)	Sample Name: PH01Date: 09/08/2023Site Name: Atlantic State #003			
	Site Name: Atlantic State #003 Incident Number: nAPP2321654246			
	Job Number: 18373			
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK Method: Backhoe			
Site Coordinates: 32.4490166, -103.313652	88 9	otal Depth: 1'		
Comments: Field screening conducted with HACH Chloride Test		-		
performed with 1:4 dilution factor of soil to distilled water. No cor		.,		
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) USCS/Rock				
Dry <112 0.0 No PH01 0.5	E (0-0.5') Pad surface CALICHE,	dry, no staining, no odor.		
Dry <112	(0.5-1') SAND, dry, brown, very poorly graded, no staining, no c			
Tota	 Depth			

	O america Niama a Di 100	D-t 00/00/0000		
ETEAL	Sample Name: PH02 Date: 09/08/2023			
VIECH		Site Name: Atlantic State #003		
	Incident Number: nAPP2321654246 Job Number: 18373			
LITHOLOGIC / SOIL SAMPLING LOG				
	Logged By: EK	Method: Backhoe		
Site Coordinates: 32.4490166, -103.313652 Comments: Field screening conducted with HACH Chloride Test	Hole Diameter: N/A	Total Depth: 1'		
performed with 1:4 dilution factor of soil to distilled water. No cor		apor, respectively. Onionae lest		
Moisture Content Chloride (ppm) Vapor Vapor Staining Staining Sample Depth (feet bgs) (feet bgs) USCS/Rock		criptions/Notes		
Dry <112 0.0 No PH02 0.5 0 CCH	E (0-0.5') Pad surface CALICH	iE, dry, no staining, no odor.		
Dry <112	(0.5-1') SAND, dry, brown, poorly graded, no staining, r			
	 Depth			

	O - marcha Niema av Di 100	D-t 00/00/0000		
ETEAL	Sample Name: PH03 Date: 09/08/2023			
VIECH		Site Name: Atlantic State #003		
	Incident Number: nAPP2321654246 Job Number: 18373			
LITHOLOGIC / SOIL SAMPLING LOG				
	Logged By: EK	Method: Backhoe		
Site Coordinates: 32.4490166, -103.313652 Comments: Field screening conducted with HACH Chloride Tes	Hole Diameter: N/A	Total Depth: 1'		
performed with 1:4 dilution factor of soil to distilled water. No col		apor, respectively. Onionue lest		
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Depth (feet bgs) (feet bgs) USCS/Rock		scriptions/Notes		
Dry <112 0.0 No PH03 0.5	IE (0-0.5') Pad surface CALICI	IE, dry, no staining, no odor.		
Dry <112	(0.5-1') SAND, dry, brown, poorly graded, no staining, r			
	I Depth			

	Comple Name: DI 104			
ETEAL	Sample Name: PH04 Date: 09/08/2023			
	Site Name: Atlantic State #003			
	Incident Number: nAPP2321654246 Job Number: 18373			
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK Method: Backhoe			
Site Coordinates: 32.4490166, -103.313652	Hole Diameter: N/A Total Depth: 1'			
	Strips and PID for chloride and vapor, respectively. Chloride test			
performed with 1:4 dilution factor of soil to distilled water. No co				
Moisture Content Chloride (ppm) Vapor Vapor (ppm) Staining Sample ID Sample ID Sample ID Depth (feet bgs) (feet bgs)				
Dry <112 0.0 No PH04 0.5	E (0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry <112	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
	Depth			

ereau	Sample Name: PH05 Date: 09/08/2023			
VIECH	Site Name: Atlantic State #003			
	Incident Number: nAPP2321654246 Job Number: 18373			
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK Method: Backhoe			
Site Coordinates: 32.4490166, -103.313652	Hole Diameter: N/A Total Depth: 1' t Strips and PID for chloride and vapor, respectively. Chloride test			
performed with 1:4 dilution factor of soil to distilled water. No co				
	Lithologic Descriptions/Notes			
Dry <112 0.0 No PH05 0.5	IE (0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry <112	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Tat	l Depth			

	Operation Name and DU100	D-t 00/00/0000				
ETEAL	Sample Name: PH06Date: 09/08/2023Site Name: Atlantic State #003					
VIECH	Incident Number: nAPP232165					
	Job Number: 18373	14240				
LITHOLOGIC / SOIL SAMPLING LOG						
	Logged By: EK	Method: Backhoe				
Site Coordinates: 32.4490166, -103.313652	Hole Diameter: N/A	Total Depth: 1'				
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride tes performed with 1:4 dilution factor of soil to distilled water. No correction factors included.						
Moisture Content Chloride (ppm) Vapor (ppm) Staining Staining Sample Depth (feet bgs) (feet bgs) USCS/Rock	Lithologic Descriptions/Notes					
Dry <112 0.0 No PH06 0.5 0 CCHI	E (0-0.5') Pad surface CALICH	IE, dry, no staining, no odor.				
Dry <112	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.					
	 Depth					

APPENDIX D

Photographic Log





Description: Northeastern view of delineation activities. 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 Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
	Delineation Soil Samples - Incident Number 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





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,



Page 35 of 145

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Released to Imaging: 12/22/2023 9:31:21 AM

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

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Sample Summary

		Sampic Sum	illai y		
Forty Acres Energy, LLC		Project Name:	Atlantic State #003		Reported:
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
'H01 0.5'	E309077-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H01 1'	E309077-02A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H02 0.5'	E309077-03A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H02 1'	E309077-04A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H03 0.5'	E309077-05A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H03 1'	E309077-06A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
'H04 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.
H05 0.5'	E309077-09A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H05 1'	E309077-10A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H06 0.5'	E309077-11A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.
H06 1'	E309077-12A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



	ampie 2				
Project Name:	: Atla	ntic State #003			
Project Numb		Reported:			
Project Manag	ger: Eric	k Herrera			9/14/2023 1:49:07PM
	PH01 0.5'				
	E309077-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: 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	
	93.7 %	70-130	09/12/23	09/13/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2337049
ND	20.0	1	09/12/23	09/13/23	
	92.5 %	70-130	09/12/23	09/13/23	
mg/kg	mg/kg	Ana	lyst: 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	mg/kg	Ana	lyst: BA		Batch: 2337044
ND	20.0			09/13/23	
	Project Name Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Atla Project Number: 2307 Project Manager: Eric Project Manager: PHOI 0.5' F309077-01 Esoto Mg/kg Mg/kg Mg/kg Mg/kg MD 0.0250 ND 20.0 93.7 % Mg/kg Mg/kg Mg/kg ND 25.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0	Project Number: $23077-0001$ Project Manager: $Erick Herrera PHOI 0.5' E309077-01 E309077-01 E309077-01 E309077-01 E309077-01 E309077-01 E309077-01 E309077-01 Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 MD 20.02 1 Mg/kg mg/kg Ana ND 20.0 1 MD 25.0 1 ND 50.0 1 ND 50.0 1 $	I atlantic State #003 Project Name: 23077-0001 Project Manager: Erick Herrera PH01 0.5' Erick Merrera PH01 0.5' Project Manager: Project Manager: PH01 0.5' Erick Merrera PH01 0.5' Project Manager: Project Manager: PH01 0.5' Project Manager: Project Manager: PH01 0.5' Analyst: Project Manager: Result Limit Dilution Prepared MD 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 0.0500 1 09/12/23 ND 0.0250 1 09/12/23 ND 20.02 1 09/12/23 ND 20.02 1 09/12/23 ND 20.02 1 09/12/23 ND 20.02 1 09/12/23 MD 20.02 1 09/12/23 MD <th< td=""><td>Image of the second s</td></th<>	Image of the second s

Sample Data



Sample Data

	3	ample D	ลเล			
Forty Acres Energy, LLC	Project Name	: Atla	ntic State #003			
13000 W County RD 100	Project Numb	ber: 230	77-0001			Reported:
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/14/2023 1:49:07PM
		PH01 1'				
		E309077-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Analyst: 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	Analy	yst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil 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	Analy	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	5	ampic D	ala			
Forty Acres Energy, LLC	Project Name:		ntic State #003			
13000 W County RD 100	Project Numbe		77-0001	Reported:		
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 1:49:07PM
		PH02 0.5'				
		E309077-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Foluene	ND	0.0250	1	09/12/23	09/13/23	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Analy	st: 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	Analyst: KM		Batch: 2337029	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil 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	Analy	st: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	5	ampie D	ala			
Forty Acres Energy, LLC 13000 W County RD 100	Project Name: Project Numb		ntic State #003 77-0001			Reported:
Odessa TX, 79765	Project Manag		k Herrera			9/14/2023 1:49:07PM
		PH02 1'				
		E309077-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	
Foluene	ND	0.0250	1	09/12/23	09/13/23	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	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		95.3 %	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	
Dil 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	Anal	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	56	ampic D	ala			
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Project Numbe Project Manag	er: 230	ntic State #003 77-0001 k Herrera			Reported: 9/14/2023 1:49:07PM
		PH03 0.5'				
		E309077-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,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	Analys	t: 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	Analys	t: 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	Analys	t: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	3	ample D	ลเล			
Forty Acres Energy, LLC	Project Name	: Atla	ntic State #003			
13000 W County RD 100	Project Numb	ber: 230	77-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 1:49:07PM
		PH03 1'				
		E309077-06				
		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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Ana	lyst: 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	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		94.3 %	50-200	09/12/23	09/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	5	ampie D	ala			
Forty Acres Energy, LLC	Project Name:		intic State #003			D ()
13000 W County RD 100	Project Numb		77-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k 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	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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Anal	Analyst: 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	Analyst: KM		Batch: 2337029	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil 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	Anal	yst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

	5	ample D	ala			
Forty Acres Energy, LLC	Project Name	: Atla	ntic State #003			
13000 W County RD 100	Project Numb	er: 230	77-0001		Reported:	
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 1:49:07PM
		PH04 1'				
		E309077-08				
		Reporting				
Analyte	Result	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	
oluene	ND	0.0250	1	09/12/23	09/13/23	
-Xylene	ND	0.0250	1	09/12/23	09/13/23	
,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
urrogate: 4-Bromochlorobenzene-PID		92.3 %	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	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: KM		Batch: 2337029	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
urrogate: n-Nonane		94.8 %	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	09/13/23	



Sample Data

		impic D				
Forty Acres Energy, LLC	Project Name:	Atla	ntic State #003			
13000 W County RD 100	Project Numbe	er: 230'	77-0001		Reported: 9/14/2023 1:49:07PM	
Odessa TX, 79765	Project Manag	er: Eric	k Herrera			
		PH05 0.5'				
]	E309077-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal Xylenes	ND	0.0250	1	09/12/23	09/13/23	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2337049
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	09/12/23	09/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil 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	Analys	t: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	

Sample Data

	5	ample D	ลเล			
Forty Acres Energy, LLC	Project Name:	Atla	ntic State #00	3		
13000 W County RD 100	Project Numbe	er: 230	77-0001		Reported:	
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 1:49:07PM
		PH05 1'				
		E309077-10				
		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	
Foluene	ND	0.0250	1	09/12/23	09/13/23	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Analyst: 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	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		95.3 %	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	09/14/23	



Sample Data

	5	ampie D	ala			
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Project Numbo Project Manag	er: 230	ntic State #003 77-0001 k Herrera			Reported: 9/14/2023 1:49:07PM
		PH06 0.5'				
		E309077-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Foluene	ND	0.0250	1	09/12/23	09/13/23	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	Analy	st: 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	Analyst: KM		Batch: 2337029	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/14/23	
Dil 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	Analy	st: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



Sample Data

	5	ample D	ala			
Forty Acres Energy, LLC	Project Name:	Atla	ntic State #00	13		
13000 W County RD 100	Project Numbe	er: 230	77-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k 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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Fotal 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	
Dil 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	



QC Summary Data

			•					
	Project Name:	А	tlantic State #	003				Reported:
	Project Number:	23	3077-0001					
	Project Manager:	E	rick Herrera					9/14/2023 1:49:07PM
	Volatile Or	rganics	by EPA 802	1 B				Analyst: IY
	Reporting	Spike	Source	D	Rec	רוסס	RPD Limit	
Result mg/kg	mg/kg	mg/kg	mg/kg	Kec %	%	%	%	Notes
						Prepared: 0	9/12/23	Analyzed: 09/13/23
ND	0.0250					1		J
ND								
ND								
ND								
7.59		8.00		94.9	70-130			
						Prepared: 0	9/12/23	Analyzed: 09/13/23
5.28	0.0250	5.00		106	70-130			
5.25	0.0250	5.00		105	70-130			
5.30	0.0250	5.00		106	70-130			
5.27	0.0250	5.00		105	70-130			
10.7	0.0500	10.0		107	70-130			
16.0	0.0250	15.0		106	70-130			
7.64		8.00		95.5	70-130			
			Source:	E309077-	01	Prepared: 0	9/12/23	Analyzed: 09/13/23
5.07	0.0250	5.00	ND	101	54-133			
5.06	0.0250	5.00	ND	101	61-133			
5.09	0.0250	5.00	ND	102	61-130			
5.06	0.0250	5.00	ND	101	63-131			
10.3	0.0500	10.0	ND	103	63-131			
15.4	0.0250	15.0	ND	103	63-131			
7.61		8.00		95.2	70-130			
			Source:	E309077-	01	Prepared: 0	9/12/23	Analyzed: 09/13/23
5.02	0.0250	5.00	ND	100	54-133	0.999	20	
5.00	0.0250	5.00	ND	100	61-133	1.19	20	
5.03	0.0250	5.00	ND	101	61-130	1.26	20	
4.98	0.0250	5.00	ND	99.7	63-131	1.62	20	
		10.0	ND	102	63-131	1.24	20	
10.2 15.2	0.0500	10.0 15.0	ND	102 101	63-131	1.24	20	
	ND ND ND ND ND ND 7.59 5.28 5.25 5.30 5.27 10.7 16.0 7.64 5.07 5.06 5.09 5.06 5.09 5.06 10.3 15.4 7.61 5.02 5.00 5.03	ND 0.0250 S.28 0.0250 5.25 0.0250 5.26 0.0250 5.27 0.0250 5.27 0.0250 5.06 0.0250 5.07 0.0250 5.06 0.0250 5.06 0.0250 5.09 0.0250 5.06 0.0250 5.06 0.0250 5.07 0.0250 5.06 0.0250 5.06 0.0250 5.07 0.0250 5.08 0.0250 5.09 0.0250 5.00 0.0250	ND 0.0250 Spike Result Reporting Spike mg/kg mg/kg mg/kg ND 0.0250 S.28 0.0250 5.01 5.00 5.25 0.0250 5.00 5.00 5.27 0.0250 10.7 0.0250 5.06 0.0250 5.07 0.0250 5.06 0.0250 5.06 0.0250 5.06 0.0250 5.06 0.0250 5.06 0.0250 5.06 0.0250	ND 0.0250 Spike Source Result mg/kg mg/kg mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 S.00 S.27 5.28 0.0250 5.00 S.27 0.0250 5.00 15.0 T 7.64 8.00 Source: Source: 5.07 0.0250 5.00 ND 5.06 0.0250 5.00 ND 5.06 0.0250 5.00 ND 5.06 0.0250 5.00	Project Number: 23077-0001 Project Manager: Erick Herrera Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec mg/kg mg/kg mg/kg mg/kg % ND 0.0250 mg/kg mg/kg g/kg ND 0.0250 S.28 0.0250 5.00 106 5.27 0.0250 5.00 105 10.7 0.0500 10.0 107 16.0 0.0250 5.00 ND 106 7.64 8.00 95.5 5.0 <	Project Number: 23077-0001 Project Manager: Erick Herrera Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Limits ND 0.0250 mg/kg mg/kg % % ND 0.0250 support support % % ND 0.0250 support support support support 5.28 0.0250 5.00 106 70-130 5.25 0.0250 5.00 105 70-130 5.27 0.0250 5.00 106 70-130 5.07 0.0250 5.00 106 70-130 10.7 0.0500 10.0 101 54-133 5.07 0.0250	Project Number: 23077-0001 Project Number: 23077-0001 Project Manager: Erick Herrera Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Mg/kg Rec % Rep % RPD % ND 0.0250 mg/kg mg/kg mg/kg mg/kg % % % ND 0.0250 ND 0.0250 ND ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 Prepared: 0 ND 0.0250 ND 106 70-130 S.28 0.0250 5.00 106 70-130 S.30 0.0250 5.00 106 70-130 S.28 0.0250 5.00 106 70-130 S.30 0.0250 5.00 106 70-130 S.40 95.3 70-130 70-130 S.57 0.0250 <td>Project Number: 23077-0001 Project Manager: Erick Herrera Volatile Organics by EPA 8021B Result Reporting mg/kg Spike Level Source Result Rec Rec RPD Pinits Mg/kg mg/kg mg/kg mg/kg % % % % % ND 0.0250 ND 0.0250 ND ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 Prepared: 09/12/23 / 7.59 8.00 94.9 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 105 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 106 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 106 70-130</td>	Project Number: 23077-0001 Project Manager: Erick Herrera Volatile Organics by EPA 8021B Result Reporting mg/kg Spike Level Source Result Rec Rec RPD Pinits Mg/kg mg/kg mg/kg mg/kg % % % % % ND 0.0250 ND 0.0250 ND ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 Prepared: 09/12/23 / 7.59 8.00 94.9 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 105 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 106 70-130 5.28 0.0250 5.00 106 70-130 5.27 0.0250 5.00 106 70-130

QC Summary Data

		QC D	umme	ii y Data	a				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	23	tlantic State #0 3077-0001	003				Reported:
Odessa TX, 79765		Project Manager	E	rick Herrera					9/14/2023 1:49:07PM
	No	nhalogenated (Organics	by EPA 801	15D - GI	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 A	Analyzed: 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 A	Analyzed: 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 A	Analyzed: 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 A	Analyzed: 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			



QC Summary Data

Reported: 2023 1:49:07PM alyst: KM
alyst: KM
N-4
Madaa
Notes
ed: 09/13/23
ed: 09/13/23
ed: 09/13/23
ed: 09/13/23
6



QC Summary Data

		$\mathbf{x} \circ \sim$	••••••						
Forty Acres Energy, LLC		Project Name:		Atlantic State #	003				Reported:
13000 W County RD 100		Project Number:		3077-0001					
Odessa TX, 79765		Project Manager	: E	crick Herrera					9/14/2023 1:49:07PM
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337044-BLK1)							Prepared: 0	9/12/23 A	analyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 A	analyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 A	analyzed: 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 A	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.



Γ	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.



ojett m	formation					Chain	of Custody														Page 1
lient: Fo	orty Acres Ene	rgy, LLC.	.			Bill To				La	b Us	e On	hv		N	 ,		TA	<u>г</u>	EPA P	rogram
roject: A	Atlantic State	#003			Att	ention: Etech Environmental & Safety	Solutions Inc	Lab	NO#			_	Numl			D 2	D	3D	Standard	CWA	SOW
roject N	Aanager: Erick	Herrera			Ad	dress: 13000 W County Rd 100		F3	D9	07				000				-	5 day TAT	<u> </u>	1
Address:	13000 W Cou	nty Rd 10	Ю											d Met						6	RCR
City, Stat	e, Zip_Odessa	,TX, 7976	55		Pho	one: (432)563-2200			â	T					T		T				
Phone: (2	281)777-4152				Em	ail:			8 Q		į									State	
mail: er	ick@etechenv	.com, jos	eph@et	echenv.cor	n wo	D: N/A			ŊQ	-	•		0			ž			NM CO	UT AZ	TX
Collected	i by: Edyte Ko	nan			Inc	ident ID: naPP2321654246		5	ī0/0	8	826	ŝ	8		1			ř			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					ğ		Remarks	
11:10	9/8/2023	S	1			РН01	1	0.5'								x					
11:20	9/8/2023	S	1			РН01	2	1'								x					
11:30	9/8/2023	S	1			PH02	3	0.5'								×					
11:40	9/8/2023	S	1			PH02	4	1'								x					
11:50	9/8/2023	S	1			РНОЗ	5	0.5'								×					
12:00	9/8/2023	s	1			РН03	4	1'								x					
12:10	9/8/2023	S	1			РН04	7	0.5'								x					
12:20	9/8/2023	s	1			РН04	8	1'								×					
date or tim Relinquish	e of collection is co ned by; (Signature	nsidered fra	ud and may Dat	be grounds for e	legal action. Time	at tampering with or intentionally mislabellu Sampled by: Received by: (Signature)	Date		Time			receive	ed packs	ed in ice i	et an an	Lai	b Us		ceived on loc the da cas then 6 °C on suf Y		
5	44		þ	108/23	15330	Michelle Gonzales	09-08-2			530		Rec	eived	on ic	e:	Ċ	7 N				
Relinquish	ichelle Go		Dat O	9-08-23	Time 1815	Received by: (Benature)	Date 9.11.2.	3		15		T1				12					
	ned by: (Signature		Det	e .	Time	Received by: (Signature)	Date		Time					np °C_							
Comple Ma	ntrix: S - Soil, Sd - Se	wind Co. Char		ous. 0 - Other		arrangements are made. Hazardous s	Container Ty	/pe:g	- gla	ss, p -	poly	/plas	tic, ag	- amb	ber g	ass, v	/ - VC	DA			

Celearoject Information	

Chain of Custody

Client: Fo	orty Acres Ene	ergy, LLC.					Bill To	· · · · · · · · · · · · · · · · · · ·	T		ī	ab U	se O	nly		C	1		T	AT		EPA I	rogram
Project:	Atlantic State	#003				Att	lention: Etech Environmental & Safety	Solutions, Inc.	Lab	WO			and the second second second	Num	ber		1D	2D	3D	St	andard	CWA	SDWA
	Aanager: Ericl					Ad	dress: 13000 W County Rd 100			30		77	22	SOI	7.0	[00]				5	day TAT		
Sector se	13000 W Cou												Anal	ysis a	nd Me	tho	d						RCRA
Managers Income States and American States and	e, Zip_Odess		65			Ph	one: (432)563-2200			5		Τ	Τ					Γ					
	281)777-4152					Em	nail:			R							1		[State	
Southern and the owner of the owner owner owner	ick@etechen		seph@	etechenv.o	om	W	0: N/A			ğ				300.0			M		¥		NM CO	UT AZ	XT 1
Collected	by: Edyte Ko	nan	·			linc	cident ID: naPP2321654246] 🗊	8	8	826	Ī	8			1						
Time Sampled	Date Sampled	Matrix	No of Contain	, Sample I	D			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metais 6010	Chloride			BGDOC		GDOC			Remark	5
12:30	9/8/2023	S	1				PH05	9	0.5'								x						
12:40	9/8/2023	s	1				PH05	10	1'	Ι							x						
12:50	9/8/2023	S	1				РН06	11	0.5'								x						
13:00	9/8/2023	s	1				РН06	12	1'								x						
							A			-		Γ											
					1	99																	
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1																							
1	pler), attest to the of collection is co	•					at tampering with or intentionally mislabelling Sampled by:	; the sample locat	lon,			_			-						i on ice the day an 6 °C on sub	•	
Relinquísh	ed by: (Signature	?)		ne 3/08/23	Time 1533	6	Received by: (Signature) MICHELLE GONZALES	Date 09-08-23	3	Time 1	53)	Rec	eive	l on id	ce:		ab U	se Or	nty			
	ed by: (Signature		1	ⁿ • 9-08-23	Time 18	15	Received by Kignatural	Date 9.11.2	3	Time 8.	15	-	T 1				T2		-		T3		
	ed by: (Signature			10	Time		Received by: (Signature)	Dato		Time			AVO	5 Ter	np °C	_7	Ŧ						
Sample Mat	rtu: S - Soil, Sd - So	lid, Sg - Stud	ge, A - Aq	eous, O - Othe	M			Container Ty	/pe: g	- gla	ss, p	- pol	-			_	glass	v - V	OA				
						s other i	arrangements are made. Hazardous sa													rt for	the analysis	of the ab	ove samples
1							The liability of the Jaboratory is limited to												-		•		-



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Date Rec	eived: 09	9/11/23 0	8:15	Work Order ID:	E309077
Phone:	(281) 777-4152 Date Log	ged In: 09	9/11/23 0	9:02	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com Due Date	-	9/15/23 1	7:00 (4 day TAT)		
Chain c	of Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match the Co	C	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	the COC complete, i.e., signatures, dates/times, requested analy	vses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did t	he COC indicate standard TAT, or Expedited TAT?		Yes			
	Cooler					
	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2′ Note: Thermal preservation is not required, if samples are received minutes of sampling		Yes			
13. If no	o visible ice, record the temperature. Actual sample temperat	ure: 4°C				
	Container					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers collect	eted?	Yes			
Field La	abel					
20. Wer	re field sample labels filled out with the minimum information:					
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u> is the COC or field labels indicate the samples were preserved?		No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved metals?		No			
	hase Sample Matrix		110			
ινιμιμρι	s the sample have more than one phase, i.e., multiphase?		Ne			
26 Doo	es, does the COC specify which phase(s) is to be analyzed?		No NA			
			INA			
27. If ye						
27. If ye <u>Subcon</u>	tract Laboratory		No			
27. If ye <u>Subcon</u> 28. Are			No NA	Subcontract Lab: NA		

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:

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,



Page 59 of 145

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

Field Offices:

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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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v		Sample Sum	mary		
Forty Acres Energy, LLC		Project Name:	Atlantic State #003		Reported:
13000 W County RD 100		Project Number:	23077-0001		Reported.
Odessa TX, 79765		Project Manager:	Erick Herrera		09/14/23 16:52
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 1'	E309078-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



	S	Sample D	ata			
Forty Acres Energy, LLC	Project Name		ntic State #00	3		
13000 W County RD 100	Project Num		77-0001			Reported:
Odessa TX, 79765	Project Mana	ager: Eric	k Herrera			9/14/2023 4:52:25PM
		FS01 1'				
		E309078-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	
p-Xylene	ND	0.0250	1	09/12/23	09/13/23	
o,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	Ar	nalyst: 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	Ar	nalyst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Dil 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	Ar	nalyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



QC Summary Data

Forty Acres Energy, LLC		Project Name:	At	lantic State #0	03				Reported:
13000 W County RD 100		Project Number:	23	077-0001					-
Odessa TX, 79765		Project Manager:	Er	ick Herrera				9/	14/2023 4:52:25PM
		Volatile Organic	Compo	unds by EP.	A 82601	В			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337032-BLK1)							Prepared: 09	9/12/23 Ana	lyzed: 09/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-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)							Prenared. 00	9/12/23 Ano	lyzed: 09/12/23
· · · · ·	2.53	0.0250	2.50		101	70-130	rieparcu. 0	7 12/23 Alla	17200. 07/12/23
Benzene	2.53	0.0250	2.50 2.50		101 105	70-130			
Ethylbenzene		0.0250							
Toluene	2.67	0.0250	2.50		107	70-130			
-Xylene	2.79	0.0250	2.50		112	70-130			
o,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: I			Prepared: 09	9/12/23 Ana	lyzed: 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			
p-Xylene	2.82	0.0250	2.50	ND	113	43-135			
o,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: I					lyzed: 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	
Foluene	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
	2.79	0.0250	2.50	ND	112	43-135	0.999	27	
p-Xylene		0.0500	5.00	ND	111	43-135	0.654	27	
o-Xylene p,m-Xylene	5.56	0.0500							
o-Xylene o,m-Xylene Fotal Xylenes	8.35	0.0300	7.50	ND	111	43-135	0.770	27	
p-Xylene			0.500	ND	125	70-130	0.770	27	
o-Xylene o,m-Xylene Fotal Xylenes	8.35			ND			0.770	21	



QC Summary Data

		QC DI	u111111	ii y Data	a				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	tlantic State #(8077-0001 rick Herrera	003				Reported: 9/14/2023 4:52:25PM
	No	onhalogenated O	rganics	by EPA 801	15D - GI	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 (2337032-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 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: 0	9/12/23 A	Analyzed: 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-(05	Prepared: 0	9/12/23 A	Analyzed: 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-(05	Prepared: 0	9/12/23 A	Analyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130	0.503	20	
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			



QC Summary Data

		QU D	u 111111	ary Data	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	2	Atlantic State #0 23077-0001	03				Reported:
Odessa TX, 79765		Project Manager:]	Erick Herrera					9/14/2023 4:52:25PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 A	Analyzed: 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 A	Analyzed: 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: I	E309070-	05	Prepared: 0	9/12/23 A	Analyzed: 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: I	E 309070 -	05	Prepared: 0	9/12/23 A	Analyzed: 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			



QC Summary Data

		QU N		ary Date					
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Atlantic State # 3077-0001 Erick Herrera	003				Reported: 9/14/2023 4:52:25PM
040554 17, 77705		, ,		300.0/9056A	1				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (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-()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-()1	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.



Γ	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.



Refe	rojec	t Infe		ion
ase	ojec	t mic	rmat	ion
dh				

Address: 13000 W County Rd 100 E 309078 23007.0001	0			TAT		EPA P	rogram							
Address: 13000 W County Rd 100 E 2500 / 0001	the second design of the secon			the second s		the second s		1D 2D 3D		1D 2D		Standard CWA SDV		
				5	day TAT									
Analysis and Method							RCRA							
Phone: (281)777-4152														
mail: erick@etechenv.com, joseph@etechenv.com						State								
Collected by: Edyte Konan	N N	[۲		NM CO	UT AZ	TX							
Sampled Date Sampled Matrix No. of Containen Sample ID	BGDOC		0000			Remarks								
10:00 9/8/2023 S 1 FS01 / 1'	X													
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additional instructions:			- I	1										
(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 pre- ate or time of collection is considered fraud and may be grounds for legal action. Sampled by:							xled or							
telinguished by: (Signature) Date 03 108/2 3 15;30 Received by: (Signature) Michelle Gonzales 09-08-23 1530 Received on ice:			se Oi	nly										
Itelinguished by: (Signature) Date Time Received by: (Signature) Date Time Michelle Gonzales 09-08-23 1815 1815 11/23 8:15 11 Itelinguished by: (Signature) Date 19/11/23 8:15 11 1	2		•		T3									
telinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C					<u></u>									
iample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glas	<u> </u>	. vo												

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Forty Acres Energy, LLC D	ate Received:	09/11/23	08:15		Work Order ID:	E309078
Phone:	(281) 777-4152 D	ate Logged In:	09/11/23	09:04		Logged In By:	Caitlin Mars
Email:	erick@etechenv.com D	ue Date:	09/15/23	17:00 (4 day TAT)			
<u>Chain o</u>	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	urier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			<u>Commen</u>	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>						
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	Cooler_						
7. Was a	sample cooler received?		Yes				
8. If yes	, was cooler received in good condition?		Yes				
9. Was t	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С				
	<u>Container</u>	·					
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers	s collected?	Yes				
Field La	abel						
	e field sample labels filled out with the minimum inform	ation:					
:	Sample ID?		Yes				
]	Date/Time Collected?		Yes	L			
	Collectors name?		Yes				
Sample		erved?	Ma				
Sample 21. Does	s the COC or field labels indicate the samples were prese	erved?	No NA				
Sample 21. Does 22. Are	s the COC or field labels indicate the samples were pres- sample(s) correctly preserved?		NA				
Sample 21. Does 22. Are 24. Is lat	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met						
Sample 21. Does 22. Are 24. Is lai Multiph	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta tase Sample Matrix	als?	NA No				
Sample 21. Does 22. Are 24. Is lat Multiph 26. Does	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved meta nase Sample Matrix s the sample have more than one phase, i.e., multiphase?	als?	NA No No				
Sample 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If ye	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met- nase Sample Matrix_ s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyze	als?	NA No				
Sample 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If ye Subcont	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met- nase Sample Matrix_ s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyze tract Laboratory_	als? d?	NA No No NA				
Sample 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If yes Subcont 28. Are	s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met- nase Sample Matrix_ s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyze	als? d?	NA No No	Subcontract Lab:			

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:

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,



Page 71 of 145

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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v		Sample Sum	mary		
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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		09/14/23 16:53
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02 1'	E309079-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



	~	ampic D				
Forty Acres Energy, LLC	Project Nam	e: Atla	ntic State #0	003		
13000 W County RD 100	Project Num	ber: 2307	77-0001			Reported:
Odessa TX, 79765	Project Mana	ager: Eric	k Herrera			9/14/2023 4:53:58PM
		FS02 1'				
		E309079-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	I	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	I	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	I	Analyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	

Sample Data



QC Summary Data

Forty Acres Energy, LLC		Project Name:	At	tlantic State #0	03				Reported:
13000 W County RD 100		Project Number:	23	077-0001					•
Odessa TX, 79765		Project Manager:	Er	ick Herrera				9/	14/2023 4:53:58PM
				Analyst: IY					
Analyte		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337032-BLK1)							Prepared: 09	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: 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 Ana	lyzed: 09/12/23
Benzene	2.53	0.0250	2.50		101	70-130			
Ethylbenzene	2.63	0.0250	2.50		101	70-130			
Foluene	2.67	0.0250	2.50		105	70-130			
	2.79		2.50		112	70-130			
p-Xylene		0.0250							
o,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 0.562		0.500 0.500		95.6 112	70-130 70-130			
Surrogate: Toluene-d8	0.502		0.500				-		
Matrix Spike (2337032-MS1)				Source: H			Prepared: 09	9/12/23 Ana	lyzed: 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			
o,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: I					lyzed: 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	
	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
		0.0250	2.50	ND	112	43-135	0.999	27	
o-Xylene	2.79			ND	111	43-135	0.654	27	
o-Xylene p,m-Xylene	5.56	0.0500	5.00	ND					
o-Xylene o,m-Xylene Fotal Xylenes	5.56 8.35	0.0500 0.0250	7.50	ND	111	43-135	0.770	27	
o-Xylene p,m-Xylene Total Xylenes	5.56		7.50 0.500		111 125	43-135 70-130	0.770	27	
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	5.56 8.35		7.50		111	43-135	0.770	27	



QC Summary Data

		$\chi \circ \sim$			•				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Atlantic State #0 3077-0001 Crick Herrera	003				Reported: 9/14/2023 4:53:58PM
	N	onhalogenated O	Organics	by EPA 801	5D - GI	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 (2337032-BLK1)							Prepared: 0	9/12/23	Analyzed: 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: 0	9/12/23	Analyzed: 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: 1	E309070-0	05	Prepared: 0	9/12/23	Analyzed: 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: 1	E 309070- (05	Prepared: 0	9/12/23	Analyzed: 09/13/23
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130	0.503	20	
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			



QC Summary Data

		QU DI	u 111111	ary Data	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Atlantic State #0 23077-0001	03				Reported:
Odessa TX, 79765		Project Manager:	1	Erick Herrera					9/14/2023 4:53:58PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 A	analyzed: 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 A	analyzed: 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: I	2309070-	05	Prepared: 0	9/12/23 A	analyzed: 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: I	2309070-	05	Prepared: 0	9/12/23 A	analyzed: 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			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$	••••••						
Forty Acres Energy, LLC		Project Name:	A	Atlantic State #	003				Reported:
13000 W County RD 100		Project Number:	2	3077-0001					
Odessa TX, 79765		Project Manager:	: E	Frick Herrera					9/14/2023 4:53:58PM
		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	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
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.



Γ	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.



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					Ac	dress: 13000 W County Rd 100		IE 2	30	<u>90</u>	79	23		7.0	mf					lay TAT			30117
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	e, Zip_Odessa		55		Ph	one: (432)563-2200			2	T	T	T	Í		T	T			{				noivi
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mail: er	ick@etechem	v.com, jos	seph@et	echenv.co	m W	0: N/A		1	ğ				0			ž			ł	NM C			TX
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	ed by: (Signature		Date	}	Time		Date		Thm	D								e Onl					
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						arrangements are made. Hazardous	samples will be ret	urned	to clu	ent or	disor	sed o	f at the	- antiŭ	er gid	>>, ∀ K0	- vU/		or the	anahai	s of the	ahovo	samples
ote: Sam						The liability of the laboratory is limited	to the amount nal	d for a	on the		u anger Anger				, and the second			aborti	ui ui	a quietà se	a or ure	9001 0	annihaa

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	ate Received:	09/11/23	08:15	Work Order ID:	E309079
Phone:	(281) 777-4152 Da	ate Logged In:	09/11/23	09:05	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com Du	le Date:	09/15/23	17:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	nperature: 4°	С			
Sample	Container	-				
-	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	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
-	<u>Preservation</u> s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyzed		NA			
•	tract Laboratory		1 12 1			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
	a successful and the original of the entert and it so		- 14 -	Subconnact Lab. 14A		



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:

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,



Page 83 of 145

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Released to Imaging: 12/22/2023 9:31:21 AM

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
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Definitions and Notes	10
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v		Sample Sum	mary		
Forty Acres Energy, LLC		Project Name:	Atlantic State #003		Reported:
13000 W County RD 100		Project Number:	23007-0001		in porteu.
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.



	0	ample D	ala			
Forty Acres Energy, LLC	Project Name	e: Atla	ntic State #003			
13000 W County RD 100	Project Numb	per: 230	07-0001			Reported:
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/14/2023 10:27:46AN
		FS03 1'				
		E309080-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
Foluene	ND	0.0250	1	09/12/23	09/12/23	
p-Xylene	ND	0.0250	1	09/12/23	09/12/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Fotal 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	vst: 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	vst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Dil 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	vst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	

Sample Data



QC Summary Data

		<u><u><u>v</u></u><u>v</u><u>v</u></u>		ing Duc					
Forty Acres Energy, LLC		Project Name:	A	tlantic State #	003				Reported:
13000 W County RD 100		Project Number:	23	3007-0001					
Odessa TX, 79765		Project Manager:	Eı	rick Herrera					9/14/2023 10:27:46AN
		Volatile O	rganics b	oy EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec	DDD	RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,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 A	nalyzed: 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			
o,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 A	nalyzed: 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			
p-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
o,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: 0	9/12/23 A	nalyzed: 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	
						(0.101	1.00	20	
p,m-Xylene Fotal Xylenes	9.80 14.6	0.0500 0.0250	10.0 15.0	ND ND	98.0 97.6	63-131 63-131	1.09 1.03	20 20	



QC Summary Data

		QC D	u 111111	ary Data	4				
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)03				Reported: 9/14/2023 10:27:46AM
040354 17, 77105	Noi	nhalogenated C			15D - GI	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 (2337031-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 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 A	Analyzed: 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 A	Analyzed: 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 A	Analyzed: 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			



QC Summary Data

		QC D	u 111111	ary Data					
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Atlantic State #0 23007-0001 Erick Herrera	03				Reported: 9/14/2023 10:27:46AM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	iiig/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 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 A	Analyzed: 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: I	E 309070 -	05	Prepared: 0	9/12/23 A	Analyzed: 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: I	E 309070 -	05	Prepared: 0	9/12/23 A	Analyzed: 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			



QC Summary Data

		$\mathbf{x} \circ \sim$							
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		tlantic State # 3007-0001	003				Reported:
Odessa TX, 79765		Project Manager		rick Herrera					9/14/2023 10:27:46AM
		Anions	by EPA	300.0/90564	۸				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 A	Analyzed: 09/13/23
Chloride	ND	20.0							
LCS (2337044-BS1)							Prepared: 0	9/12/23 A	Analyzed: 09/13/23
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)				Source:	E309077-	01	Prepared: 0	9/12/23 A	Analyzed: 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 A	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.



	Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
	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.



Chain of Custody

Received by OCD: 10/6/2023 12:48:20 PM

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	Atlantic State					Attention: Etech Environmental & Safety	Colutions inc		MO				Num		10	120		AT			rogram
	Aanager: Ericl					Address: 13000 W County Rd 100	solutions, inc.		wor SOC	1	n			10er	IШ	2D	3D		tandard day TAT	CWA	SDWA
	13000 W Cou							무머머드	~				_	nd Metho	_	J		51	T T		
City, Stat	e, Zip_Odess	a,TX, 797	65			Phone: (432)563-2200		<u> </u>	8	T	<u>r</u>	<u> </u>	1313 81		1	T	T				RCRA
	281)777-4152					Email:		1	Q										l	State	I
Email: er	ick@etechen	v.com, jo	seph@et	echenv.co	om	WO: N/A	••	1	8 8		1		0		5				NM CO		TXI
	by: Edyte Ko	nan				Incident ID: naPP2321654246			NO/		8	8	8		Ň		Ĕ				
Time Sampled	Date Sampled	Matrix	No of Containers	Sample II			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		├ ──- └	Remarks	<u>II</u>
10:20	9/8/2023	s	1			FS03	1	0 1'		20	5	2	0		X	+	U				. <u> </u>
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Addition	al Instruction	L	I	1					1							L			I		
I, (field same	pler), attest to the	validity and	authenticity	of this samp	le. I am awar	e that tampering with or intentionally mislabelling	the sample location	n.				Sample	ts regula	rine thermal	Dreserv	ation m	ust be re	ceived	i on ice the day i		ated or
1	of collection is co							•											an 5 °C on subse		
	ed by: (Signature		Date	,	Time	Received by: (Signature)	Date		Time						1	abu	se On	hv .		·····	
	-134			108183	15130	Michelle Gonzales	09-08-02	23	1 15	530		Rece	vived	on ice:				'			
Relinquish	ed by: (Signature ICHEUE GC	nzale	Date NQ	-08-23	Time 1815	Received by Spingty of are	Date /11/23			5	-	T4		on ice.		/	•				
	ed by: (Signature		Date		Time	Received by: (Signature)	Date		Time	·			Tem		<u>ч</u>				13	<u> </u>	
Sample Mart	rbc S + Soil, Sd - Soi	lid Co Chief			ļ		Container T-							<u> </u>							
						her arrangements are made. Hazardous sa	Container Typ	ci g ·	Riazz	<u>, p - p</u>	ike of	nastic			iass, \	/ • VO		(a		aha chairi	
applicable	only to those sar	mples recei	ved by the	laboratory	with this CO	C. The liability of the laboratory is limited to	the amount paid	for o	n the	report	t,	eu or	at 1116	caent ext	ense.	ine i	eport	or th	ie analysis 01		r sampies ti

Ø envirotech

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	09/11/23	08:15	Work Order ID:	E309080
Phone:	(281) 777-4152 Da	te Logged In:	09/11/23	09:06	Logged In By:	Caitlin Mars
Email:		e Date:	09/15/23	17:00 (4 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	the COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	o visible ice, record the temperature. Actual sample tem	nperature: 4°	с			
	Container	· · · · ·	-			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
20 War	e field sample labels filled out with the minimum information	ation:				
20. Wer	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
			Yes			
	Collectors name?					
<u>Sample</u>	Preservation	rved?	No			
<u>Sample</u> 21. Doe	Preservation_ s the COC or field labels indicate the samples were prese	rved?	No NA			
<u>Sample</u> 21. Doe 22. Are	Preservation_ s the COC or field labels indicate the samples were prese sample(s) correctly preserved?		NA			
<u>Sample</u> 21. Doe 22. Are 24. Is la	Preservation_ s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta					
Sample 21. Doe 22. Are 24. Is la <u>Multipl</u>	Preservation so the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix		NA No			
<u>Sample</u> 21. Doe 22. Are 24. Is la <u>Multipl</u> 26. Doe	Preservation so the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix so the sample have more than one phase, i.e., multiphase?	ls?	NA No No			
Sample 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye	Preservation so the COC or field labels indicate the samples were prese sample(s) correctly preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix so the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	ls?	NA No			
Sample 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye Subcon	Preservation so the COC or field labels indicate the samples were prese sample(s) correctly preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix so the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed tract Laboratory.	ls?	NA No NA			
Sample 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye Subcon 28. Are	Preservation so the COC or field labels indicate the samples were prese sample(s) correctly preserved? ab filteration required and/or requested for dissolved meta hase Sample Matrix so the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	ls? ?	NA No No	Subcontract Lab: NA		

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





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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,



Page 95 of 145

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

Field Offices:

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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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v		Sample Sum	mary		·
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		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.



	50	ample D	ala			
Forty Acres Energy, LLC	Project Name:	Atla	ntic State #003			
13000 W County RD 100	Project Numbe	er: 2300	07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 10:26:30AM
		FS04 1'				
		E309081-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	09/12/23	09/12/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Fotal 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	Analy	st: 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	Analy	st: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/13/23	
Dil 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	Analy	st: BA		Batch: 2337044
Chloride	98.2	20.0	1	09/12/23	09/14/23	

Sample Data

QC Summary Data

		X U U							
Forty Acres Energy, LLC		Project Name:	At	tlantic State #	003				Reported:
13000 W County RD 100		Project Number:	23	3007-0001					•
Odessa TX, 79765		Project Manager:	Er	rick Herrera					9/14/2023 10:26:30AM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
, ,	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	nalyzed: 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 A	analyzed: 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 A	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: 0	9/12/23 A	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	
p,iii-Aytene	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	



QC Summary Data

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Date	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:	-	Atlantic State #0 23007-0001	03				Reported:
Odessa TX, 79765		Project Manager:	Ε	Erick Herrera					9/14/2023 10:26:30AM
	No	nhalogenated C	Organics	s by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 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 A	Analyzed: 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: l	E 309091-	03	Prepared: 0	9/12/23 A	Analyzed: 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: l	E 309091-	03	Prepared: 0	9/12/23 A	Analyzed: 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			

QC Summary Data

		QC D	u1111116	ing Date	A.				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		tlantic State #0 3007-0001	003				Reported:
Odessa TX, 79765		Project Manager:	E	rick Herrera					9/14/2023 10:26:30AM
	Nonh	alogenated Org	anics by	EPA 8015E) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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			



QC Summary Data

Forty Acres Energy, LLC		Project Name:		tlantic State #	003				Reported:
13000 W County RD 100		Project Number:		3007-0001					
Odessa TX, 79765		Project Manager:	: E	rick Herrera					9/14/2023 10:26:30AN
		Anions	by EPA 3	300.0/90564	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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-)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-	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.



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

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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Chain of Custody

Received by OCD: 10/6/2023 12:48:20 PM

	ent: Forty Acres Energy, LLC. Bill To Dject: Atlantic State #003 Attention: State Fourier and Info				the second s	·····	Lab Use Only								AT		EPA Pr	ogram			
	anager: Erick					Attention: Etech Environmental & Safety Solutions, Inc.				s, Inc. Lab WO# Job Numbe					1D 2		3D		andard	CWA	SDWA
ddress: 1	3000 W Cou	inty Rd 10	30			Address: 13000 W County Rd 100 E309081 23067 • 0001 5 day TAT Analysis and Method															
	, Zip_Odessa					Phone: (432)563-2200						Anal	ysis a	nd Metho	d						RCRA
	81)777-4152							4	Å]					
	k@etechenv		seph@etr	echeny co		ail:		4	No.				1							State	
ollected l	by: Edyte Ko	nan				D: N/A		4	SRO NO	12	8	9	l S		N		ř		NM CO	UT AZ	TX
Time	1			1		ident ID: naPP2321654246		E	Įõ.	8 ₹	V 821	6	l a								
Sampled	Date Sampled	Matrix	No of Containers	Sample ID)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	8TEX by 8021	VOC by \$260	Metals 6010	Chloride 300.0		BGDOC					Remarks	
10:30	9/8/2023	S	1			FS04	1	1'							x						
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	f collection is con I by: (Signature)		Date		Time	Sampled by: Received by: (Signature) MICHELLE GONZALES	Date		Time		<u> </u>				-				n 6 °C on subsc		
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				-08-23	1815	Julian in	Dato /11/2.	3	Time 8.	16	>	TI			<u>72</u>				T3		
nquished:	l bγ: (Signature))	Date		Time	Received by: (Signature)	Date		Time			AVO	5 Ten	np°c_4	,						
mple Matrix	c S - Soil, Sd - Soli	id, Sg - Sludg	e, A - Aqueo	nus, O - Other			Container Typ	e:g-	glass	5, D - 1	polv/				ass. v	• VO4					
			the second s	and the second secon	d unless other a	rrangements are made. Hazardous s	amples will be retu	irned (to clie	nt or	dispo	sed of	at the	e client exp	inse.	The re	port f	or the	analysis of	the above	samples H

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC D	ate Received:	09/11/23 (08:15	Work Order ID:	E309081
Phone:	(281) 777-4152 D	ate Logged In:	09/11/23 (09:07	Logged In By:	Caitlin Mars
Email:		ue Date:	09/15/23	17:00 (4 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	o visible ice, record the temperature. Actual sample ter	nperature: 4°	С			
Sample	Container	· _				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is th	he head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La	abel					
20. Wer	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u> s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	als?	No			
	hase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?	,	No			
	es, does the COC specify which phase(s) is to be analyze		NA			
	tract Laboratory		11/1			
Subcon						
	samples required to get sent to a subcontract laboratory?	•	No			
28. Are	samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab: NA		

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





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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,



Page 107 of 145

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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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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v		Sample Sum	mary		0
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Forty Acres Energy, LLC		Project Name:	Atlantic State #003		Reported:
13000 W County RD 100		Project Number:	23007-0001		Reporteu.
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.



		ampic D				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Project Numbe Project Manag	er: 2300	ntic State #003 07-0001 k Herrera			Reported: 9/14/2023 10:25:11AM
		FS05 1'				
	-	E309082-01				
		Reporting				
Analyte	Result	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	
oluene	ND	0.0250	1	09/12/23	09/12/23	
-Xylene	ND	0.0250	1	09/12/23	09/12/23	
,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
otal Xylenes	ND	0.0250	1	09/12/23	09/12/23	
urrogate: 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	
Dil 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	

Sample Data



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	lantic State # 007-0001 ick Herrera	003				Reported: 9/14/2023 10:25:11AM
		Volatile Or	rganics b	oy EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 09/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,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 A	Analyzed: 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			
o,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 A	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			
o,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: 0	9/12/23 A	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	
p-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
o,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	



QC Summary Data

		QC D	u111111	ary 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				Reported: 9/14/2023 10:25:11AM
	No	nhalogenated (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 (2337031-BLK1)							Prepared: 0	9/12/23 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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			



QC Summary Data

		QC DI	u 111111	ary Data	L				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	tlantic State #0 3007-0001 rick Herrera	03				Reported: 9/14/2023 10:25:11AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23	Analyzed: 09/12/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	48.4	50.0	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			-
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source: I	E 309070 -	05	Prepared: 0	9/12/23	Analyzed: 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: I	E309070-	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	
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			



QC Summary Data

		C							
Forty Acres Energy, LLC		Project Name:	А	tlantic State #	003				Reported:
13000 W County RD 100		Project Number:	2.	3007-0001					•
Odessa TX, 79765		Project Manager	: Е	rick Herrera					9/14/2023 10:25:11AM
		Anions	by EPA	300.0/9056 A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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
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.



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
1.12	i many to i to i bbilbo i bb	at of above the reporting mint

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.



Rel	
Foject Informa	tion
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	Atlantic State	rgy, LLC.				Bill To	····	T		Li	ab U	se O	nly		T	ТАТ			EPA Program		
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ity, Stat	e, Zip_Odessa	a,TX, 7976				none: (432)563-2200						Anal	<u>ysis an</u>	d Metho	<u>d</u>		r				RCRA
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ampled		Matrix	Containers	Sample ID)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	X	VOC by 8260	Metals 6010	Chloride		BGDOC		GDOC			Remarks	
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Mic	d by: (Signature Helle GOM	izales	Date 09	-08-23	^{Time} 1815	Received by Signature Man	9.11.22	5	Time 8.	15	5	T1			T2	ТЭ					
elinquishe	d by: (Signature)	Date		Time	Roceived by: (Signature)	Date		Time			AVO	5 Tem	p°c_4	<i>f</i>	•					
Imple Matr	ix: S - Soil, Sd - Soi	lid, Sg - Słudg	se, A - Aquec	us, O - Other			Container Typ	e: g -	- glass	., p - 1	polv/					- VO	A				
	les are discarde	d 30 days a	fter results	are reporte	d unless other	arrangements are made. Hazardous si	mples will be retu	Irned	to cile	nt or (dispo	sed of	at the	client exp	ense.	The	report	for th	e analysis o	f the above	a samples
	les are discarde	d 30 days a	fter results	are reporte	d unless other	arrangements are made. Hazardous si The liability of the laboratory is limited t	imples will be retu	Irned	to clie	nt or (dispo	sed of	at the	client exp	ense.	The	report	for th	e analysis o	of the above	e samples

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	ate Received:	09/11/23 08	8:15	Work Order ID:	E309082
Phone:	(281) 777-4152 Da	ate Logged In:	09/11/23 09	9:09	Logged In By:	Caitlin Mars
Email:	erick@etechenv.com Do	le Date:	09/15/23 1	7:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13 If no	visible ice, record the temperature. Actual sample ter	nnerature: 4º	C			
		<u></u>	<u>c</u>			
-	<u>Container</u> aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
-	field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
-	Collectors name?		Yes			
-	Preservation		3.7			
	the COC or field labels indicate the samples were prese	rvea?	No			
	sample(s) correctly preserved?	169	NA Na			
	o filteration required and/or requested for dissolved meta	uð (No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?		No			
27. If yes	s, does the COC specify which phase(s) is to be analyzed	d?	NA			
	ract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA			

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



envirotech Inc.

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





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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,



Page 119 of 145

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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v		Sample Sum	mary		0
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		09/14/23 10:23
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06 1'	E309083-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



	Si	ample D	ala			
Forty Acres Energy, LLC	Project Name:		ntic State #003			
13000 W County RD 100	Project Numbe		07-0001			Reported:
Odessa TX, 79765	Project Manag	ger: Eric	k Herrera			9/14/2023 10:23:47AN
		FS06 1'				
		E309083-01				
		Reporting				
Analyte	Result	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	
p-Xylene	ND	0.0250	1	09/12/23	09/12/23	
o,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Fotal 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	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		84.9 %	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	
Dil 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	Ana	lyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	

Sample Data



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	tlantic State # 8007-0001 rick Herrera	003				Reported: 9/14/2023 10:23:47AM
		Volatile O	rganics k	oy EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			
LCS (2337031-BS1)							Prepared: 0	9/12/23 A	nalyzed: 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			
Foluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.94	0.0250	5.00		98.7	70-130			
o,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 A	nalyzed: 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			
Foluene	4.96	0.0250	5.00	ND	99.1	61-130			
p-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: 0	9/12/23 A	nalyzed: 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	
p-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
o,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	



QC Summary Data

		QC D	u111111	ary 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				Reported: 9/14/2023 10:23:47AM
	No	nhalogenated (Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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			



QC Summary Data

		$\mathbf{x} \circ \sim$		ary Duc					
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		tlantic State # 3007-0001	003				Reported:
Odessa TX, 79765		Project Manager:	Е	rick Herrera					9/14/2023 10:23:47AM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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 A	analyzed: 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			



QC Summary Data

		C							
Forty Acres Energy, LLC		Project Name:	А	tlantic State #	003				Reported:
13000 W County RD 100		Project Number:	2.	3007-0001					•
Odessa TX, 79765		Project Manager:	: Е	rick Herrera					9/14/2023 10:23:47AM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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
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.



Forty Acres Energ	y, LLC	Project Name:	Atlantic State #003	
13000 W County I	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
1.12	i many to i to i bbilbo i bb	at of above the reporting mint

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.



The second s	ty Acres Ene	rgy, LLC.	<u></u>			Bill To		r		La	ab U	se O	nty		T			TA	T		EPA	Program
oject: A	Hantic State #	#003			Atte	ntion: Etech Environmental & Safet	Solutions, Inc.	Lab	WO#					ber		1D	2D	3D	Sta	ndard	CWA	SDW/
oject M	anager: Erick	Herrera			Addi	ress: 13000 W County Rd 100		IE3	309	108	3	23	5007	ber	110				5 d	ay TAT		
ddress: 1	13000 W Cou	nty Rd 10	0			· · · · · · · · · · · · · · · · · · ·		1				Anal	ysis ar	nd Me	thod							RCRA
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Time iampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride			BGDOC		GDOC			Remark	5
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sample Mat	inx: S - Soil, Sd - S	ad 20 daw	after rocult	s are renort	ed unless other a	arrangements are made. Hazardous	amples will be ret	urned	to cile	ent or	dispo	osed a	f at th	e clien	t expe	nse.	The r	eport	for the	e analysis	of the abo	ve sample:
		eu Jo uays	and hundhad	laboratory	with this COC. T	he liability of the laboratory is limited	to the amount pa	d for	on the	repo	rt.											

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	09/11/23	08:15	Work Order ID:	E309083
Phone:	(281) 777-4152 Da	te Logged In:	09/11/23	09:10	Logged In By:	Caitlin Mars
Email:		e Date:	09/15/23	17:00 (4 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match t	he COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did tł	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	perature: 4°	С			
	Container		_			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
20. Were	e field sample labels filled out with the minimum informa	tion:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u> s the COC or field labels indicate the samples were preser	rvod?	No			
	sample(s) correctly preserved?		No NA			
	b filteration required and/or requested for dissolved metal	s?	No			
	• •		140			
	nase Sample Matrix		.			
	s the sample have more than one phase, i.e., multiphase?	9	No			
	es, does the COC specify which phase(s) is to be analyzed	L	NA			
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No			
20 Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name:

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,



Page 131 of 145

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.

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

v		Sample Sum	mary		0
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		09/14/23 10:22
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS07 1'	E309084-01A	Soil	09/08/23	09/11/23	Glass Jar, 2 oz.



	0	ample D	ลเล			
Forty Acres Energy, LLC	Project Name	:: Atla	ntic State #003			
13000 W County RD 100	Project Numb	ber: 230	07-0001	Reported:		
Odessa TX, 79765	Project Mana	ger: Eric	k Herrera			9/14/2023 10:22:53AN
		FS07 1'				
		E309084-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
p-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		93.0 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2337031
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	69.5	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		97.2 %	50-200	09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2337044
Chloride	258	20.0	1	09/12/23	09/14/23	

Sample Data



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	23	tlantic State # 007-0001 fick Herrera	003				Reported: 9/14/2023 10:22:53AM
,		Volatile O			21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec	RPD	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	%	Limit %	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 A	analyzed: 09/12/23
Benzene	ND	0.0250					1		j
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62	0.0200	8.00		95.2	70-130			
LCS (2337031-BS1)							Prepared: 0	9/12/23 A	analyzed: 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			
Fotal 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 A	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			
Foluene	4.96	0.0250	5.00	ND	99.1	61-130			
p-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
o,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: 0	9/12/23 A	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	
p-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
o,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	



QC Summary Data

		QU N		ary Date	•				
Forty Acres Energy, LLC 13000 W County RD 100		Project Name: Project Number:		Atlantic State #0 3007-0001	003				Reported:
Odessa TX, 79765		Project Manager:	Ε	Frick Herrera					9/14/2023 10:22:53AM
	Noi	nhalogenated O	rganics	by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337031-BLK1)							Prepared: 0	9/12/23 /	Analyzed: 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	Analyzed: 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: 1	E309091-	03	Prepared: 0	9/12/23	Analyzed: 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: 1	E309091-	03	Prepared: 0	9/12/23	Analyzed: 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			



QC Summary Data

		QC DI	u 111111	ary Data	L				
Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765		Project Name: Project Number: Project Manager:	2	Atlantic State #0 3007-0001 Crick Herrera	03				Reported: 9/14/2023 10:22:53AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23	Analyzed: 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	Analyzed: 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: I	E 309070 -	05	Prepared: 0	9/12/23	Analyzed: 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: I	E 309070 -	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	
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			



QC Summary Data

		C							
Forty Acres Energy, LLC		Project Name:	А	tlantic State #	003				Reported:
13000 W County RD 100		Project Number:	2.	3007-0001					•
Odessa TX, 79765		Project Manager	: Е	rick Herrera					9/14/2023 10:22:53AM
		Anions	by EPA	300.0/9056 A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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
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.



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
1.12	i many to i to i bbilbo i bb	at of above the reporting mint

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.



Refease	pject Information
ea	

	orty Acres Ene					Bill To					Lab Use Only						TAT				EPA Program	
	Atlantic State Ianager: Erick				Att	ention: Etech Environmental &	Safety Soluti	ons, Inc.	Lab				Job	Nurr	ber	10	1D 2D 3D Standard				CWA	SDWA
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	e, Zip_Odessa								ļ		·····		Anal	ysis a	nd Me	thod				1		RCRA
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ampled	Date Sampled	Matrix	No of Concerners	Sample ID)		Lat	Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		600			Remarks	
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					d unless other	arrangements aro made. Hazar													t for ti	ne analysis (of the above	samples
						he liability of the laboratory is li																

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Forty Acres Energy, LLC Da	te Received:	09/11/23 08:1:	5	Work Order ID:	E309084
Phone:	(281) 777-4152 Da	te Logged In:	09/11/23 09:12	2	Logged In By:	Caitlin Mars
Email:		e Date:	09/15/23 17:0	0 (4 day TAT)		
<u>Chain of</u>	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
Sample 7	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ten	perature: 4°	C			
	<u>Container</u>	·	_			
-	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
1	a trip blank (TB) included for VOC analyses?		NA			
17. Was a						
	non-VOC samples collected in the correct containers?		Yes			
18. Are n	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers	collected?	Yes Yes			
18. Are n	appropriate volume/weight or number of sample containers	collected?				
 18. Are n 19. Is the Field La 20. Were 	appropriate volume/weight or number of sample containers <u>bel</u> prield sample labels filled out with the minimum information					
18. Are n 19. Is the Field La 20. Were	appropriate volume/weight or number of sample containers <u>bel</u> field sample labels filled out with the minimum informa Sample ID?		Yes			
18. Are n 19. Is the Field La 20. Were S	appropriate volume/weight or number of sample containers <u>ibel</u> field sample labels filled out with the minimum information Sample ID? Date/Time Collected?		Yes Yes Yes			
18. Are n 19. Is the Field La 20. Were S C	appropriate volume/weight or number of sample containers <u>ibel</u> field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?		Yes			
18. Are n 19. Is the Field La 20. Were S C Sample I	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum informa Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes Yes			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were prese	ation:	Yes Yes Yes Yes No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: rved?	Yes Yes Yes Yes No NA			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ation: rved?	Yes Yes Yes Yes No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab Multipha	appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix	ation: rved?	Yes Yes Yes No NA No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab Multiph: 26. Does	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation 6 the COC or field labels indicate the samples were prese sample(s) correctly preserved? 10 filteration required and/or requested for dissolved meta ase Sample Matrix 5 the sample have more than one phase, i.e., multiphase?	ation: rved? ls?	Yes Yes Yes No NA No No			
 Are n Is the Field La Were Were C Sample I Does Is lab Multipha Does If yes 	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: rved? ls?	Yes Yes Yes No NA No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab Multipha 26. Does 27. If yes	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation is the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved metation ase Sample Matrix is the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed tract Laboratory	ation: rved? ls?	Yes Yes Yes No NA No No			
18. Are n 19. Is the Field La 20. Were S E 20. Were S 20. Were S 20. Were S 21. Does 22. Are s 24. Is lab Multipha 26. Does 27. If yes Subcontr 28. Are s	appropriate volume/weight or number of sample containers bel e field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: rved? ls? l?	Yes Yes Yes No NA No NA No NA	contract Lab: na		

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



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APPENDIX G

NMOCD Notifications

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



Erick Herrera

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Wednesday, August 30, 2023 4:55 PM
То:	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

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

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

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

Action 273289

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Page 145 of 145