

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2321654246
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Forty Acres Energy	OGRID	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 Longitude -103.313652
(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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	27 bbls	Volume Recovered (bbls)	0 bbls
<input type="checkbox"/> Produced Water	Volume Released (bbls)		Volume Recovered (bbls)	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release
Stuffing Box Leak.

Incident ID	NAPP2321654246
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Alex Bolanos</u>	Title: <u>Reg/Prod Analyst</u>
Signature: <u>Alex Bolanos</u>	Date: <u>8/4/2023</u>
email: <u>alex@faenergyus.com</u>	Telephone: <u>832-689-3788</u>
<u>OCD Only</u>	
Received by: <u>Shelly Wells</u>	Date: <u>8/7/2023</u>

Incident ID	NAPP2321654246
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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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Alex Bolanos Title: Regulatory & Production Analyst
Signature: *Alex Bolanos* Date: 12/06/2023
email: alex@faenergyus.com Telephone: 832-689-3788

OCD Only

Received by: _____ Date: _____

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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.

Closure Report Attachment Checklist: *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 Bolanos Title: Regulatory & Production Analyst

Signature: *Alex Bolanos* Date: 12/06/2023

email: alex@faenergyus.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: *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.

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

APPENDIX A

Figures

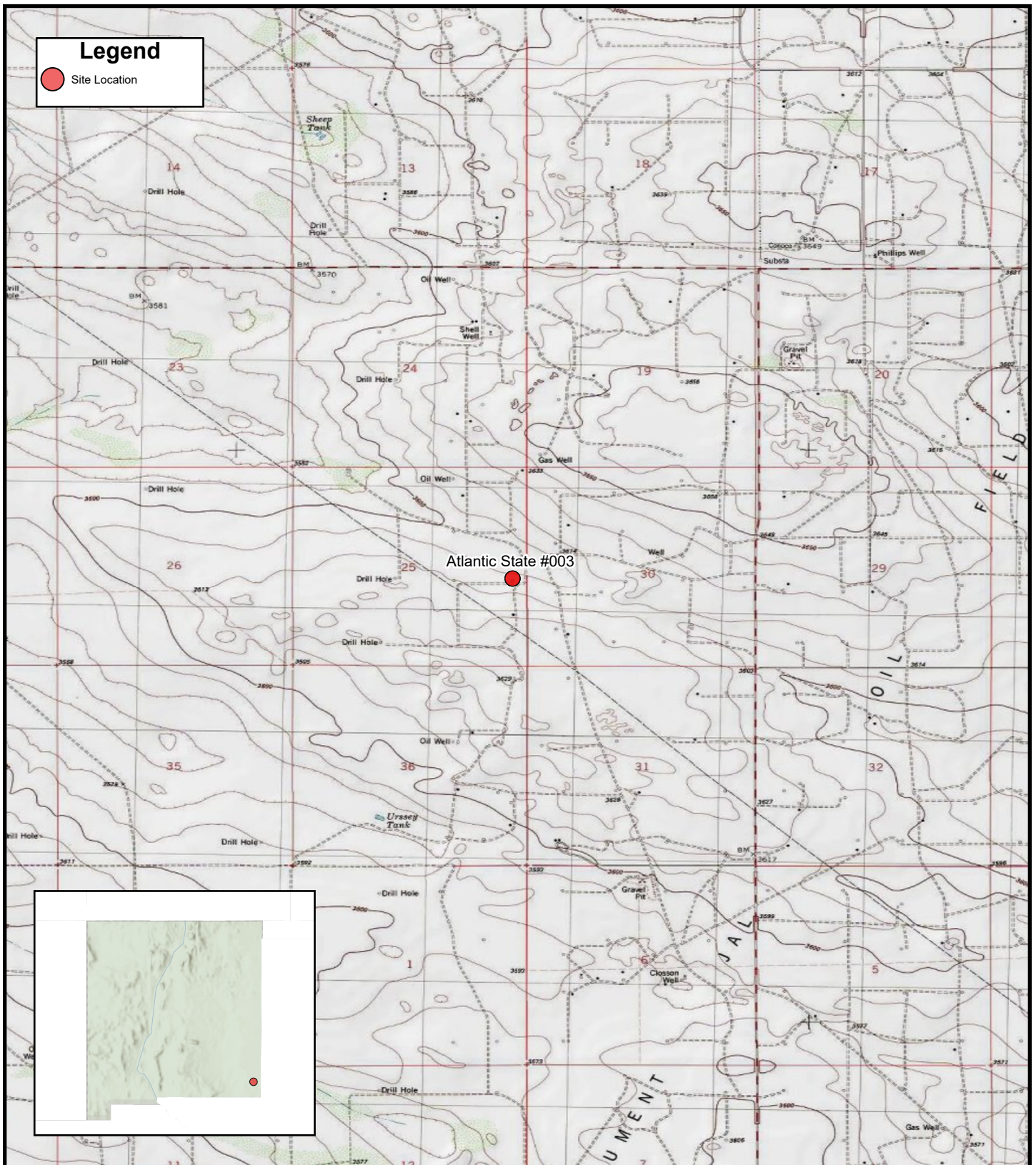


FIGURE 1

Site Location Map

Forty Acres Energy, LLC
Atlantic State #003
Unit I Sec 25 T21S R35E
Lea County, New Mexico

eTECH



0 2,000 4,000 Feet

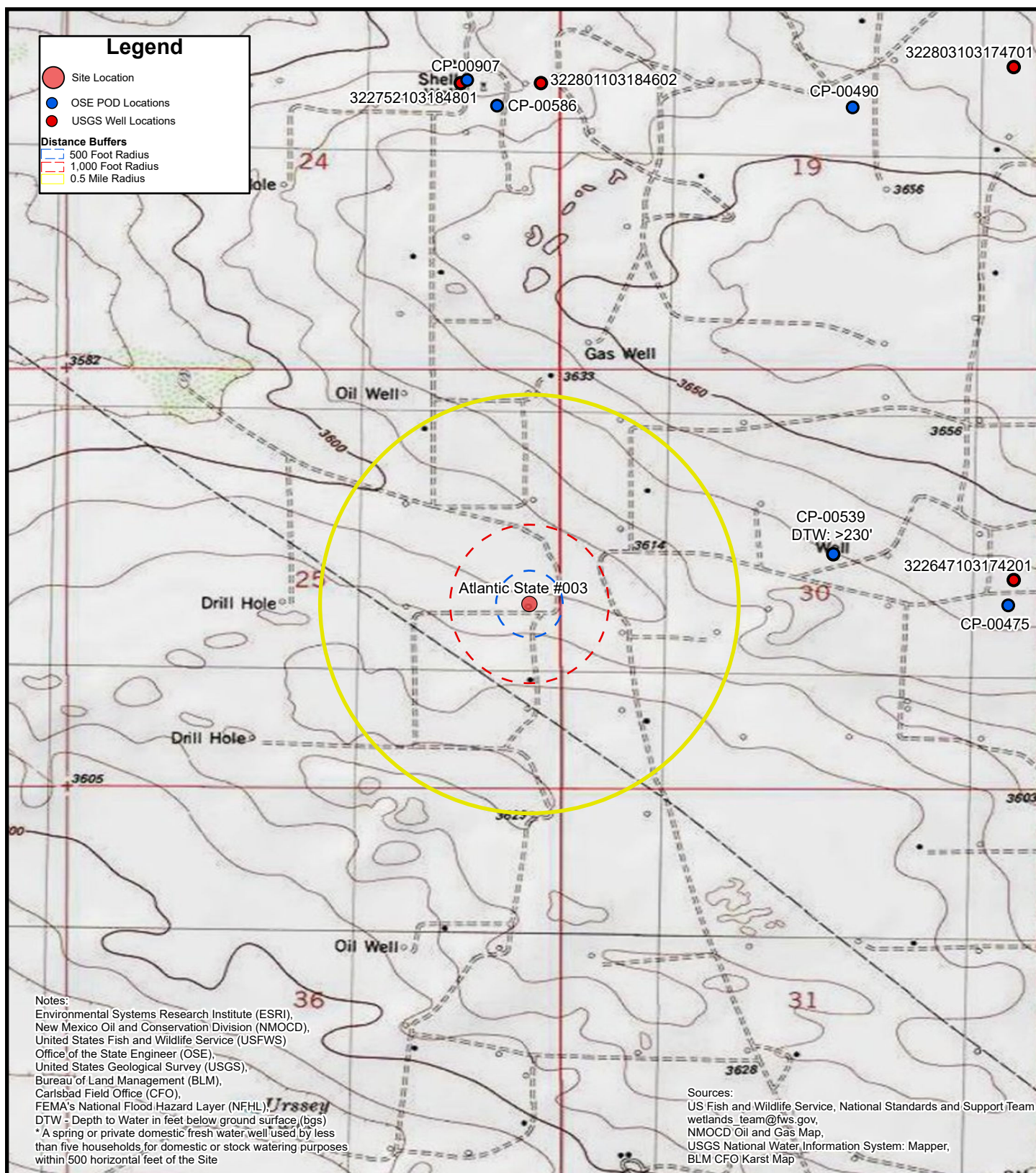
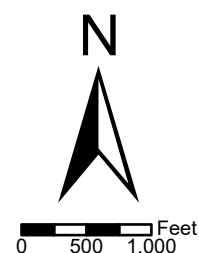
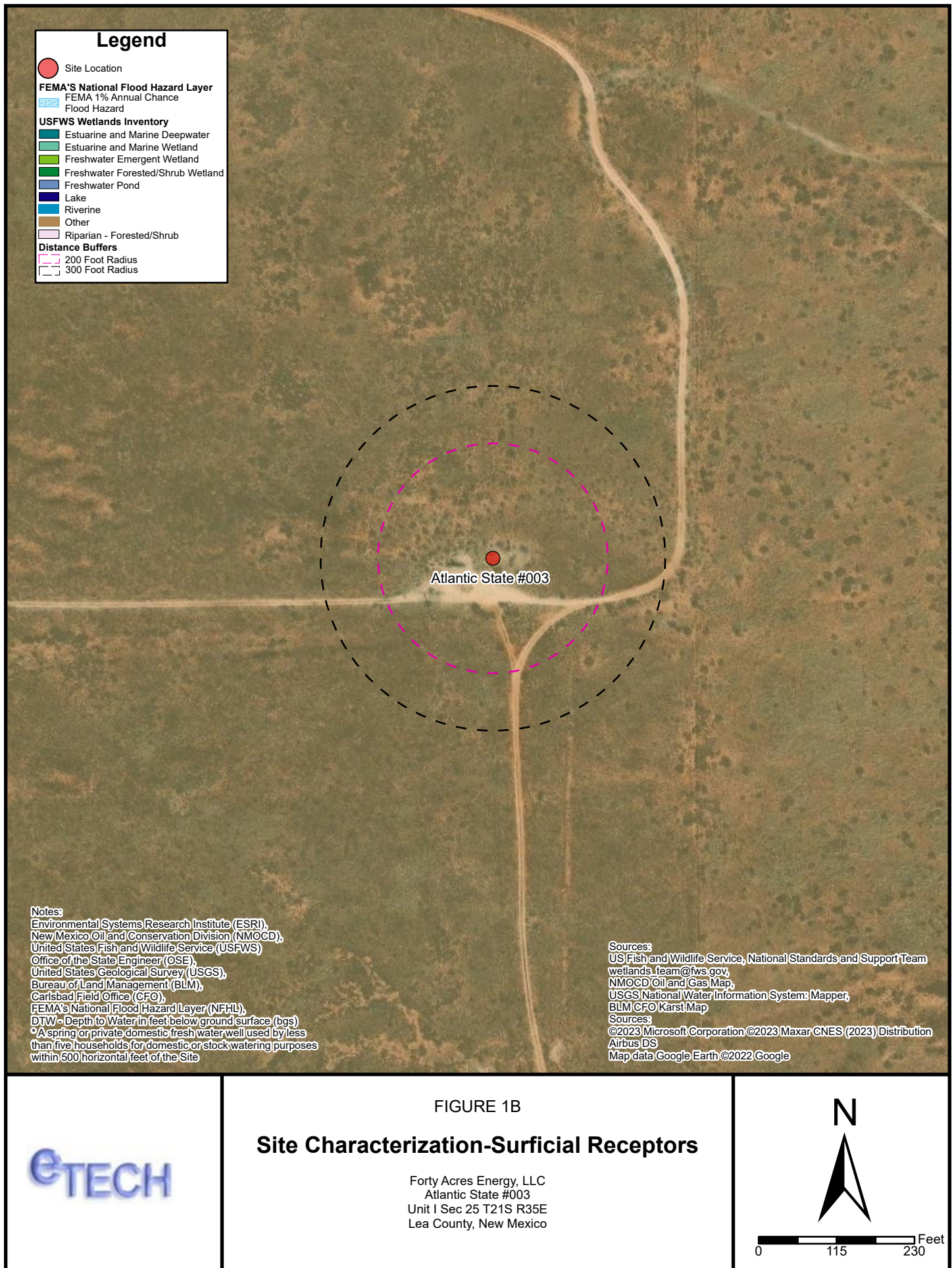


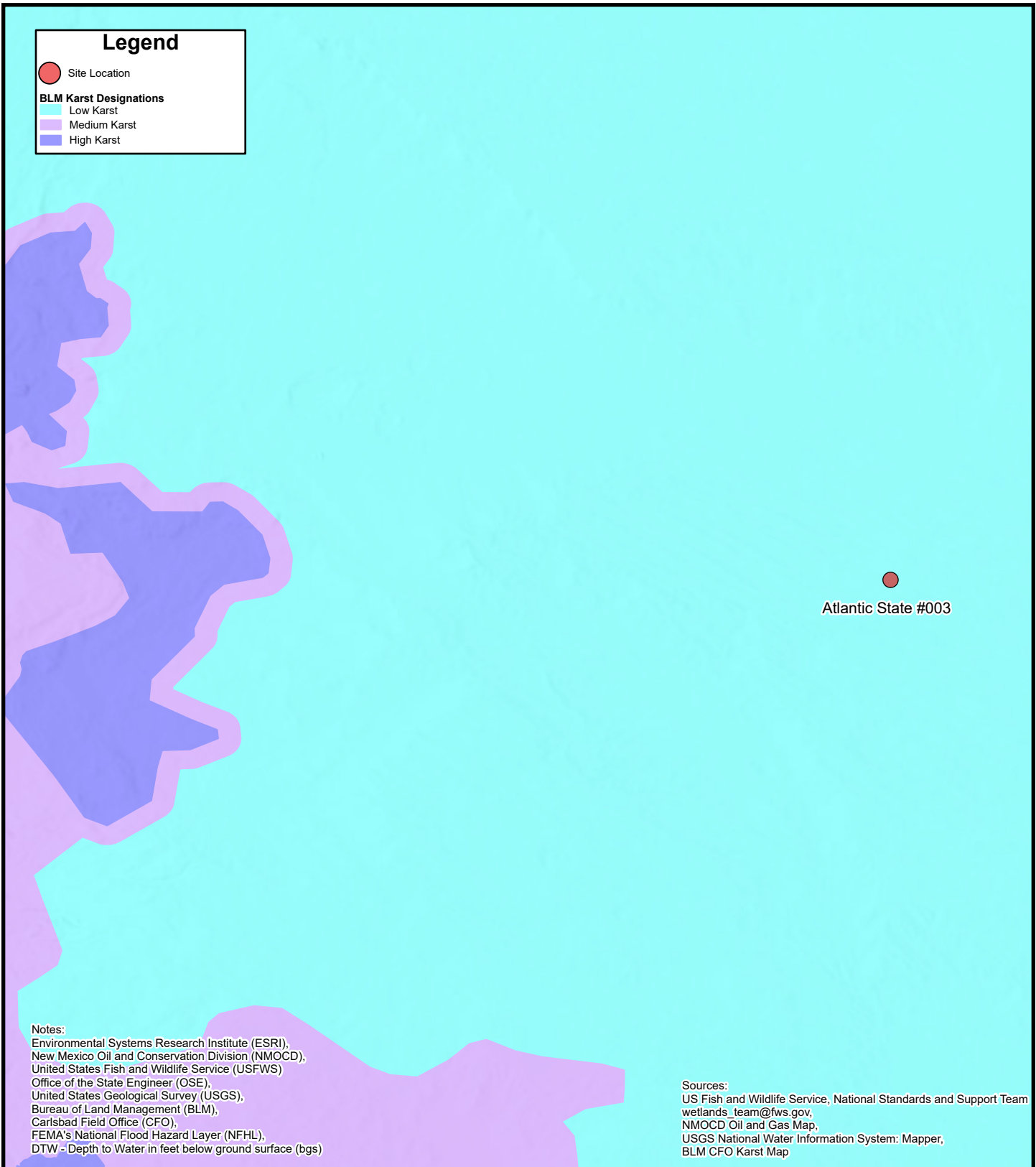
FIGURE 1A



Site Characterization Map-Groundwater

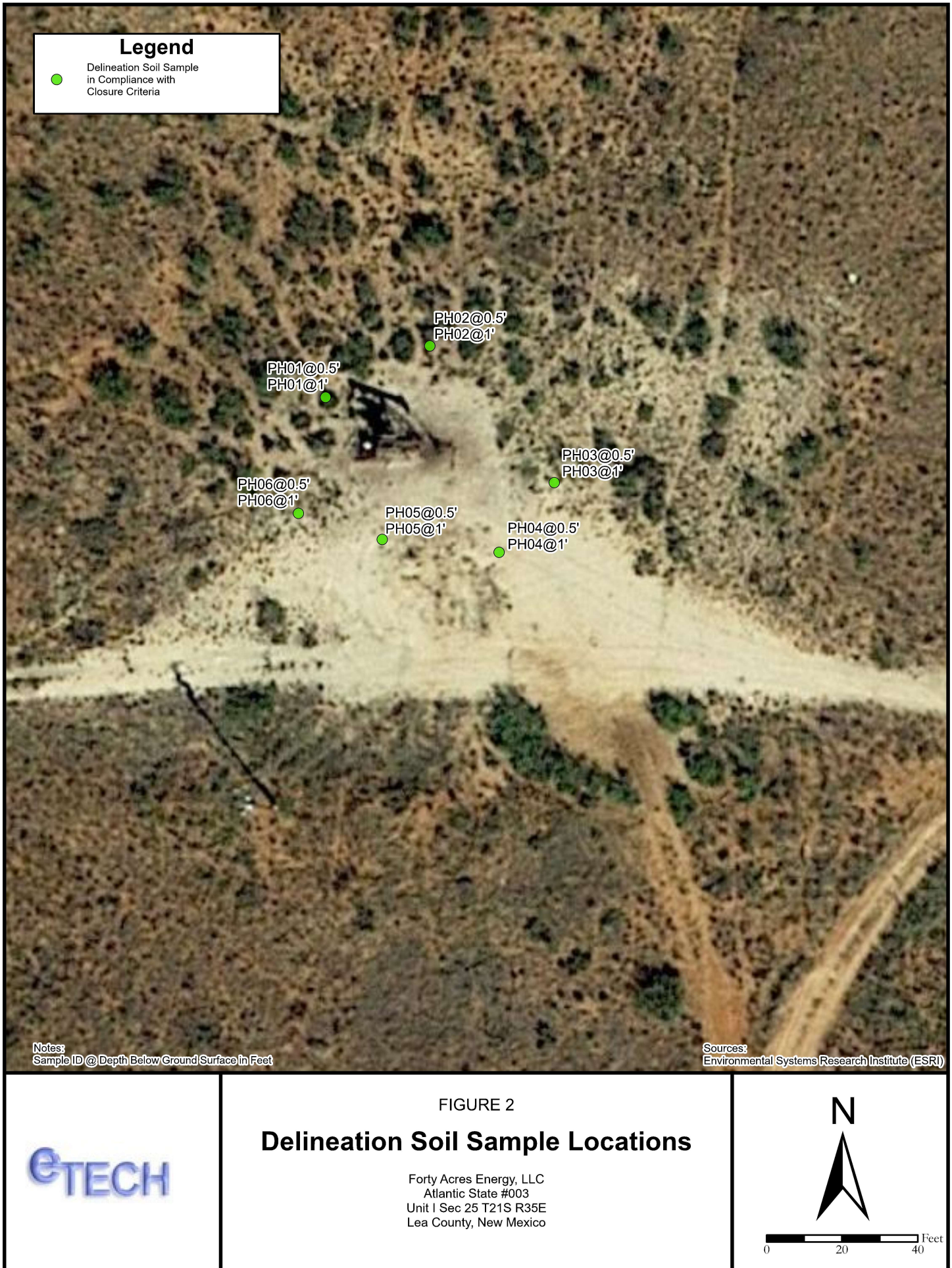
Forty Acres Energy, LLC
Atlantic State #003
Unit I Sec 25 T21S R35E
Lea County, New Mexico

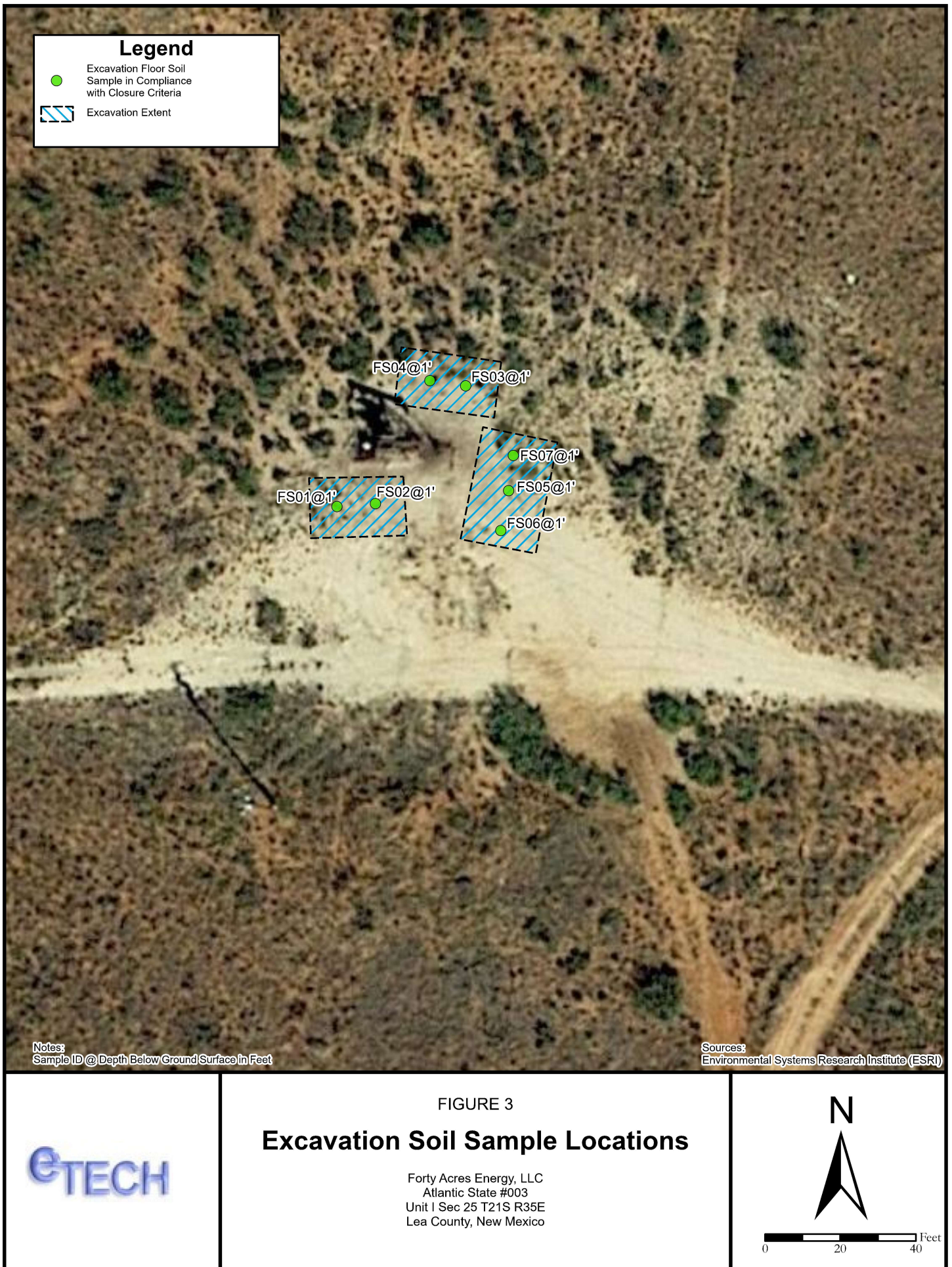






	<p align="center">FIGURE 1C</p> <p align="center">Site Characterization Map - Karst Potential</p> <p align="center">Forty Acres Energy, LLC Atlantic State #003 Unit I Sec 25 T21S R35E Lea County, New Mexico</p>	<p align="center">N</p>  <p align="center">0 20,000 40,000 Feet</p>
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APPENDIX B

Referenced Well Record and Ground Water Measurement Form

Form WR-23

STATE ENGINEER OFFICE

SANTA FE

WELL RECORD

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

Section 1

(A) Owner of well U.R. CATTLE CO. INC.
Street and Number Box 347
City EUNICE State N.M.
Well was drilled under Permit No. CP-53 539 and is located in the
SW 1/4 SW 1/4 NE 1/4 of Section 30 Twp. 21 Rge. 36
(B) Drilling Contractor Ross L. Robinson License No. WD589 598
Street and Number Box 347
City Eunice State N.M.
Drilling was commenced Sept. 1 19 74
Drilling was completed May 9 19 75
(Plat of 640 acres)
Elevation at top of casing in feet above sea level Shallow Total depth of well 270
State whether well is shallow or artesian Shallow Depth to water upon completion 40

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	90	100	10	White water sand No water
2	245	268	23	Red water sand
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
5 5/8	14		1 1/2ft	270	271 1/2		248	268

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay Gravel	No. Sacks of Cement	Methods Used
From	To				
0	271	7 1/2	48 yds.		Gravel down out side casing bailed water & sand out fo casing

Section 5

PLUGGING RECORD

ORIGINAL DOCUMENT IS OF POOR QUALITY
FOR LEGIBLE MICROFILM

Name of Plugging Contractor 100 300 License No. 100 300
Street and Number 100 300 City back sang State 100 300
Tons of Clay used 10 30 Tons of Roughage used back sang Type of roughage 100 300
Plugging method used 10 30 Date Plugged 19
Plugging approved by: 10 30 Cement Plugs were placed as follows:
0 10 10 100 Basin Supervisor 100

No.	Depth of Plug		No. of Sacks Used
	From	To	

FOR USE OF STATE ENGINEER ONLY
Date Received 1975 MAY 12 AM 8:42
File No. CP-539 Use STK Location No. 22.36, 30, 23342

LOG OF WELL

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 well.


Well Driller


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


Project Manager:—


APPENDIX C


Soil Sampling Logs


								Sample Name: PH01		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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH01	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH01	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

								Sample Name: PH02		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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH02	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH02	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

								Sample Name: PH03		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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH03	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH03	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

								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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH04	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH04	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

								Sample Name: PH05		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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH05	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH05	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

								Sample Name: PH06		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'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH06	0.5	0	CCHE	(0-0.5') Pad surface CALICHE, dry, no staining, no odor.			
Dry	<112	0.0	No	PH06	1	1	SP	(0.5-1') SAND, dry, brown, very fine to fine grained, poorly graded, no staining, no odor.			
Total Depth											

APPENDIX D

Photographic Log

**PHOTOGRAPHIC LOG**

Forty Acres Energy, LLC

Atlantic State #003

Incident Number nAPP2228734147

**Photograph 1****Date: 08/21/2023**

Description: Northeastern view of excavations during Site assessment activities.

**Photograph 2****Date: 09/08/2023**

Description: Northwestern view of delineation activities.

**Photograph 3****Date: 09/08/2023**

Description: Northeastern view of delineation activities.

**Photograph 4****Date: 09/08/2023**

Description: Southeastern view of delineation activities.

APPENDIX E

Tables



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

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

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

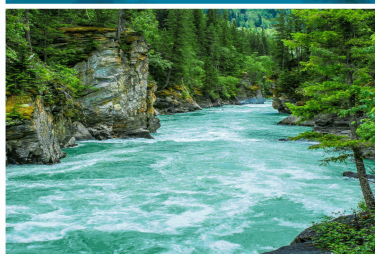
Text in "grey" represents excavated soil samples

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Erick Herrera



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309077

Job Number: 23077-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/23

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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309077
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
09/14/23 13:49

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH01 0.5'

E309077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	94.8 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH01 1'

E309077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	93.3 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH02 0.5'

E309077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH02 1'

E309077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH03 0.5'

E309077-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH03 1'

E309077-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	94.3 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH04 0.5'

E309077-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH04 1'

E309077-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	94.8 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH05 0.5'

E309077-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/13/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH05 1'

E309077-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.3 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/14/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH06 0.5'

E309077-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2337049
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	95.8 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2337044
Chloride	ND	20.0	1	09/12/23	09/14/23	



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 1:49:07PM

PH06 1'

E309077-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337049	
Benzene	ND	0.0250	1	09/12/23	09/13/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/13/23	
Toluene	ND	0.0250	1	09/12/23	09/13/23	
o-Xylene	ND	0.0250	1	09/12/23	09/13/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/13/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/14/23	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		09/12/23	09/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/14/23	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337049-BLK1)

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

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	7.59		8.00		94.9	70-130			

LCS (2337049-BS1)

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

Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.27	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.0	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

Matrix Spike (2337049-MS1)

Source: E309077-01

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

Benzene	5.07	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	5.06	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.2	70-130			

Matrix Spike Dup (2337049-MSD1)

Source: E309077-01

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

Benzene	5.02	0.0250	5.00	ND	100	54-133	0.999	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	1.19	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.26	20	
o-Xylene	4.98	0.0250	5.00	ND	99.7	63-131	1.62	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.24	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	1.37	20	
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337049-BLK1) Prepared: 09/12/23 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: 09/12/23 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: 09/12/23 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: 09/12/23 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

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

Nonhalogenated Organics 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
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Blank (2337029-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			

LCS (2337029-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

Matrix Spike (2337029-MS1)					Source: E309076-02		Prepared: 09/12/23 Analyzed: 09/13/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			

Matrix Spike Dup (2337029-MSD1)					Source: E309076-02		Prepared: 09/12/23 Analyzed: 09/13/23		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.743	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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



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

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

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.		Bill To		Lab Use Only		TAT		EPA Program	
Project: Atlantic State #003		Attention: Etech Environmental & Safety Solutions, Inc.		Lab WO#		1D 2D 3D		CWA SOWA	
Project Manager: Erick Herrera		Address: 13000 W County Rd 100		E309077		Job Number 23077-0001		Standard	
Address: 13000 W County Rd 100								5 day TAT	
City, State, Zip: Odessa, TX, 79765		Phone: (432)563-2200		Analysis and Method				RCRA	
Phone: (281)777-4152		Email:						State	
Email: erick@etechenv.com, joseph@etechenv.com		WO: N/A						NM CO UT AZ TX	
Collected by: Edyte Konan		Incident ID: naPP2321654246							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	TX	Remarks
11:10	9/8/2023	S	1	PH01	1	0.5'						X		
11:20	9/8/2023	S	1	PH01	2	1'						X		
11:30	9/8/2023	S	1	PH02	3	0.5'						X		
11:40	9/8/2023	S	1	PH02	4	1'						X		
11:50	9/8/2023	S	1	PH03	5	0.5'						X		
12:00	9/8/2023	S	1	PH03	6	1'						X		
12:10	9/8/2023	S	1	PH04	7	0.5'						X		
12:20	9/8/2023	S	1	PH04	8	1'						X		

1					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	
		09/08/23	15:30	Michelle Gonzales	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	
Michelle Gonzales		09-08-23	1815	Cathy Man	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					



Page 55 of 145

Refused to sign 9/11/2023 9:31:21 AM

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

Project Information

Chain of Custody

Client: Forty Acres Energy, LLC.				Bill To		Lab Use Only										TAT			EPA Program		
Project: Atlantic State #003				Attention: Etech Environmental & Safety Solutions, Inc.		Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA					
Project Manager: Erick Herrera				Address: 13000 W County Rd 100		E 309077		23007-0001					5 day TAT								
Address: 13000 W County Rd 100						Analysis and Method										RCRA					
City, State, Zip: Odessa, TX, 79765				Phone: (432)563-2200		Depth (ft.)	TPH GRO/DRO/GRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX	State				
Phone: (281)777-4152				Email:													NM	CO	UT	AZ	TX
mail: erick@etechenv.com, joseph@etechenv.com				WO: N/A																	
collected by: Edyte Konan				Incident ID: naPP2321654246														Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
12:30	9/8/2023	S	1	PH05	9	0.5'								X							
12:40	9/8/2023	S	1	PH05	10	1'								X							
12:50	9/8/2023	S	1	PH06	11	0.5'								X							
13:00	9/8/2023	S	1	PH06	12	1'								X							
<div>1</div>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only									
		09/08/23		1530		Michelle Gonzales		09-08-23		1530		Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____									
Michelle Gonzales		09-08-23		1815		Cathy Man		9-11-23		8:15											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>									
Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309077
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:02	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

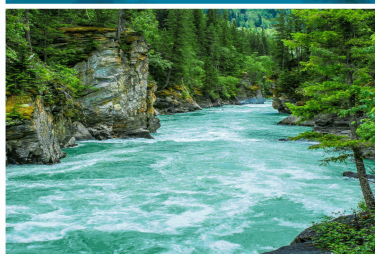
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309078
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	Reported:
13000 W County RD 100	Project Number:	23077-0001	
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.



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 4:52:25PM

FS01 1'

E309078-01

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



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2337032-BLK1)

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

Benzene	2.53	0.0250	2.50		101	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.57	0.0500	5.00		111	70-130			
Total Xylenes	8.36	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			

Matrix Spike (2337032-MS1)

Source: E309070-05

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

Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.66	0.0250	2.50	ND	106	48-130			
o-Xylene	2.82	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.60	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.41	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.620		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike Dup (2337032-MSD1)

Source: E309070-05

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

Benzene	2.51	0.0250	2.50	ND	100	48-131	1.80	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	1.90	27	
Toluene	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	0.999	27	
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135	0.654	27	
Total Xylenes	8.35	0.0250	7.50	ND	111	43-135	0.770	27	
Surrogate: Bromofluorobenzene	0.624		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 4:52:25PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337032-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 4:52:25PM
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Nonhalogenated Organics 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
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Blank (2337030-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 4:52:25PM
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Anions by EPA 300.0/9056A

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
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Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

- 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.





Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309078
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:04	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309079
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 4:53:58PM

FS02 1'

E309079-01

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



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2337032-BLK1)

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

Benzene	2.53	0.0250	2.50		101	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.57	0.0500	5.00		111	70-130			
Total Xylenes	8.36	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			

Matrix Spike (2337032-MS1)

Source: E309070-05

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

Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.66	0.0250	2.50	ND	106	48-130			
o-Xylene	2.82	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.60	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.41	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.620		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike Dup (2337032-MSD1)

Source: E309070-05

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

Benzene	2.51	0.0250	2.50	ND	100	48-131	1.80	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	1.90	27	
Toluene	2.61	0.0250	2.50	ND	105	48-130	1.63	24	
o-Xylene	2.79	0.0250	2.50	ND	112	43-135	0.999	27	
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135	0.654	27	
Total Xylenes	8.35	0.0250	7.50	ND	111	43-135	0.770	27	
Surrogate: Bromofluorobenzene	0.624		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 4:53:58PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337032-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 4:53:58PM
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Nonhalogenated Organics 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
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Blank (2337030-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

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

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

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





Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309079
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:05	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309080
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23007-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 10:27:46AM

FS03 1'

E309080-01

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2337031-BS1)

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

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2337031-MSD1)

Source: E309091-03

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1) Prepared: 09/12/23 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: 09/12/23 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: E309091-03 Prepared: 09/12/23 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: E309091-03 Prepared: 09/12/23 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

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23007-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 10:27:46AM
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Nonhalogenated Organics 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
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Blank (2337030-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

Forty Acres Energy, LLC	Project Name:	Atlantic State #003	
13000 W County RD 100	Project Number:	23007-0001	Reported:
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.

[illegible]

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309080
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:06	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309081

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/23

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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309081
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23007-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 10:26:30AM

FS04 1'

E309081-01

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2337031-BS1)

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

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2337031-MSD1)

Source: E309091-03

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23007-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 10:26:30AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309091-03

Prepared: 09/12/23 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: E309091-03

Prepared: 09/12/23 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

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

Nonhalogenated Organics 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
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Blank (2337030-BLK1)					Prepared: 09/12/23 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: 09/12/23 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: E309070-05		Prepared: 09/12/23 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: E309070-05		Prepared: 09/12/23 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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

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

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

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



Additional Instructions:						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by: (Signature) <u>[Signature]</u> Date <u>09/08/23</u> Time <u>15:30</u>						Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Received by: (Signature) <u>Michelle Gonzales</u> Date <u>09-08-23</u> Time <u>1530</u>						
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>09-08-23</u> Time <u>1815</u>						
Received by: (Signature) <u>[Signature]</u> Date <u>9/11/23</u> Time <u>8:15</u>						
Relinquished by: (Signature) _____ Date _____ Time _____						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.						

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309081
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:07	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

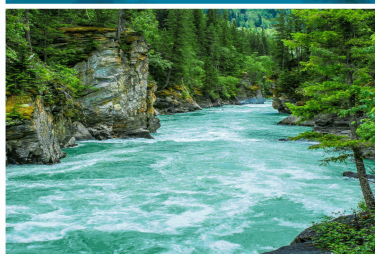
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309082

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/23

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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309082
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23007-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 10:25:11AM

FS05 1'

E309082-01

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2337031-BS1)

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

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2337031-MSD1)

Source: E309091-03

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1) Prepared: 09/12/23 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: 09/12/23 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: E309091-03 Prepared: 09/12/23 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: E309091-03 Prepared: 09/12/23 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

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

Nonhalogenated Organics 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
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Blank (2337030-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309070-05

Prepared: 09/12/23 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: E309070-05

Prepared: 09/12/23 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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

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

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309082
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:09	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309083

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309083
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@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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Chain of Custody etc.	11

Sample Summary

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.



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23007-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 10:23:47AM

FS06 1'

E309083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337031	
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: 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	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	98.4 %	50-200		09/12/23	09/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	ND	20.0	1	09/12/23	09/14/23	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2337031-BS1)

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

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2337031-MSD1)

Source: E309091-03

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23007-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 10:23:47AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309091-03

Prepared: 09/12/23 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: E309091-03

Prepared: 09/12/23 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

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

Nonhalogenated Organics 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
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Blank (2337030-BLK1)					Prepared: 09/12/23 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: 09/12/23 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: E309070-05		Prepared: 09/12/23 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: E309070-05		Prepared: 09/12/23 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

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

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

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

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



Client: Forty Acres Energy, LLC.					Bill To		Lab Use Only				TAT				EPA Program					
Project: Atlantic State #003					Attention: Etech Environmental & Safety Solutions, Inc.		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Erick Herrera					Address: 13000 W County Rd 100		E309083		23007-0001					5 day TAT						
Address: 13000 W County Rd 100											Analysis and Method					RCRA				
City, State, Zip: Odessa, TX, 79765					Phone: (432)563-2200		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
Phone: (281)777-4152					Email:										NM	CO	UT	AZ	TX	
Email: erick@etechenv.com, joseph@etechenv.com					WO: N/A															
Collected by: Edyte Konan					Incident ID: naPP2321654246										Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
10:50	9/8/2023	S	1	FS06	1	1'							X							
<div>Signature: [Signature]</div>																				
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: [Signature]																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only												
[Signature]		09/08/23	15:30	Michelle Gonzales		09-08-23	1530	Received on ice: [Signature] N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3												
Michelle Gonzales		09-08-23	1815	Lanth Mar		9.11.23	8:15													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309083
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:10	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

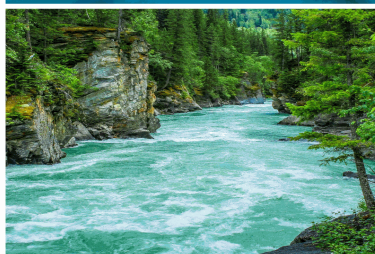
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Forty Acres Energy, LLC

Project Name: Atlantic State #003

Work Order: E309084

Job Number: 23007-0001

Received: 9/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/14/23

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

Date Reported: 9/14/23

Erick Herrera
13000 W County RD 100
Odessa, TX 79765



Project Name: Atlantic State #003
Workorder: E309084
Date Received: 9/11/2023 8:15:00AM

Erick Herrera,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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



Sample Data

Forty Acres Energy, LLC
13000 W County RD 100
Odessa TX, 79765

Project Name: Atlantic State #003
Project Number: 23007-0001
Project Manager: Erick Herrera

Reported:
9/14/2023 10:22:53AM

FS07 1'

E309084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337031	
Benzene	ND	0.0250	1	09/12/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/12/23	09/12/23	
Toluene	ND	0.0250	1	09/12/23	09/12/23	
o-Xylene	ND	0.0250	1	09/12/23	09/12/23	
p,m-Xylene	ND	0.0500	1	09/12/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/12/23	09/12/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2337031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/23	09/12/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.1 %	70-130		09/12/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	97.2 %	50-200		09/12/23	09/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2337044	
Chloride	258	20.0	1	09/12/23	09/14/23	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2337031-BS1)

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

Benzene	4.92	0.0250	5.00	ND	98.4	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133			
Toluene	4.96	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2337031-MSD1)

Source: E309091-03

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133	1.05	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	0.909	20	
Toluene	4.90	0.0250	5.00	ND	98.0	61-130	1.13	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	0.912	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	1.09	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	1.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

Forty Acres Energy, LLC 13000 W County RD 100 Odessa TX, 79765	Project Name: Atlantic State #003 Project Number: 23007-0001 Project Manager: Erick Herrera	Reported: 9/14/2023 10:22:53AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2337031-BLK1)

Prepared: 09/12/23 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: 09/12/23 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: E309091-03

Prepared: 09/12/23 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: E309091-03

Prepared: 09/12/23 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

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

Nonhalogenated Organics 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
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Blank (2337030-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.4		50.0		96.8	50-200			

LCS (2337030-BS1)

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

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: <i>n</i> -Nonane	47.6		50.0		95.1	50-200			

Matrix Spike (2337030-MS1)

Source: E309070-05

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

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.8	50-200			

Matrix Spike Dup (2337030-MSD1)

Source: E309070-05

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

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.5	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2337044-BLK1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	ND	20.0							
LCS (2337044-BS1)					Prepared: 09/12/23 Analyzed: 09/13/23				
Chloride	241	20.0	250		96.5	90-110			
Matrix Spike (2337044-MS1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	241	20.0	250	ND	96.3	80-120			
Matrix Spike Dup (2337044-MSD1)					Source: E309077-01		Prepared: 09/12/23 Analyzed: 09/13/23		
Chloride	244	20.0	250	ND	97.7	80-120	1.45	20	

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



Definitions and Notes

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

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

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

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Forty Acres Energy, LLC	Date Received:	09/11/23 08:15	Work Order ID:	E309084
Phone:	(281) 777-4152	Date Logged In:	09/11/23 09:12	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	09/15/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, August 30, 2023 4:55 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 9/7 - 9/8/23

Good afternoon Erick,

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

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, August 30, 2023 3:37 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ryan Swift <ryan@faenergyus.com>; Joseph Hernandez <joseph@etechenv.com>; James Martinez <james@faenergyus.com>
Subject: [EXTERNAL] (40 Acres Energy - Site Sampling Notification) 9/7 - 9/8/23

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

Good afternoon,

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

Proposed Date: September 7, 2023 & September 8, 2023.
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: Atlantic State #003
Incident Number: nAPP2321654246
API#: 30-025-03508

Thank you,

Erick Herrera
Staff Geologist



Work: (432) 305-6416

Cell: (281) 777-4152

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

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

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

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

Action 273289

CONDITIONS

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

CONDITIONS

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