



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

February 2, 2024

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Deferral Request and Closure Report  
Sirius 17 Fed 3H Battery  
Unit L, S17, T19S, R31E  
Site Coordinates: 32.65865084, -103.8988289  
Eddy County, New Mexico  
Incident ID: nAPP2321431668**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this deferral and closure report to document site assessment, remedial action, and sampling activities at the Sirius 17 Fed 3H Battery (Site) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico. The Site is located in Unit L, Section 17, Township 19 South of Range 31 East in Eddy County, New Mexico. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

### **Background**

Based on the initial C-141 obtained from the NMOCD, the release was discovered on August 1<sup>st</sup>, 2023, the result of an equipment failure in a transfer line. Approximately twenty-one hundredths (0.21) of a barrel (bbls) of produced water was released of which zero (0) bbls were recovered for an approximate net loss of twenty-one hundredths (0.21) bbls of produced water and it should be noted a small portion of the release went offsite. Upon discovery, the line was clamped to stop the leak. The release area is shown on Figure 3. The initial assessment and closure C-141 form is attached.

### **Groundwater and Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one (1) well located within a ½-mile radius of the site. The well (CP-01907-POD1) is located approximately 2,600 feet north to northwest of the release and was drilled to a reported depth of 55 feet below ground surface (ft bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a medium Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided in this report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the

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New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

**General Site Characterization and Groundwater:**

Site Characterization	Average Groundwater Depth (ft)
Medium Karst	>55

**Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)**

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Notes:  
 --- = not defined

**Site Assessment**

On September 12<sup>th</sup>, 2023, NTGE conducted site assessment activities to assess the extent of impacts at the Site. A total of two (2) vertical sample points (V-1 and V-2) and four (4) horizontal sample points (H-1 through H-4) were installed within the release area in order to characterize the impact. Soil samples were collected in 0.5 ft and 1 ft intervals from depths ranging from 0.5 ft to a maximum of 5.5 ft bgs with a geotechnical hand auger. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8261B, total petroleum hydrocarbon (TPH) by method 8015B Modified, and chloride by EPA 4500 Cl-B by Cardinal Laboratories in Hobbs, New Mexico. The analytical results indicated that areas of V-1 at a depth of five and a half (5.5) ft bgs exceeded chloride concentrations set forth in NMOCD regulations while V-2 exceeded chloride NMOCD standards to a depth of three (3) ft bgs.

On October 16<sup>th</sup>, 2023, NTGE conducted additional Site assessment activities to complete the delineation of impacts at the Site. A total of one (1) vertical sample (V-1) and four (4) horizontal samples points (H-1, H1-A, H-4 and H-4A) were installed within the release area to characterize the impact. Soil samples were collected 0.5 and 1 ft intervals from depths ranging from 0.5 ft to a maximum of 8.0 ft bgs with mechanical equipment. The samples were analyzed for BTEX, TPH and chloride by Cardinal Laboratories in Hobbs, New Mexico. Analytical results are included in Table 1, while sampling locations are shown in Figure 3.

**Remedial Action Activities and Confirmation/Deferral Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The areas of V-1 and V-2 were excavated to a depth ranging from four (4) ft bgs to six (6) ft bgs to fully remove all impacted soils from the location.

On December 11<sup>th</sup>, 2023, a total of six (6) composite confirmation samples were collected from the excavation base (CS-1 through CS-6) and seven (7) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-7) to ensure impacted soil was removed. Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. Soil samples were

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collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached. The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Following receipt of lab analytics, analytical results indicated that multiple composite confirmation excavation base and side wall samples (CS-3, CS-5 CS-6, SW-4, SW-6, SW-7, and SW-11) were above NMOCD regulatory criterion for chloride and/or TPH concentrations. Devon continued the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils are removed.

After further excavation, on December 19<sup>th</sup>, 2023, NTGE collected additional confirmation samples from the excavation base at 6 ft bgs and from the excavation sidewalls. A total of two (2) base composite confirmation samples (CS-3, and CS-6) and five (5) sidewall composite samples (SW-4A, SW-6A, SW-8 to SW-10) were collected and analyzed for TPH, BTEX, and chlorides by Cardinal in Hobbs, New Mexico. Analytical results indicated that two (2) sidewalls (SW-4A, and SW-6A) exceeded chloride concentrations set forth in NMOCD regulations. All other confirmation samples collected were below NMOCD regulatory criterion for the Site.

After further excavation, NTGE was on Site on January 8<sup>th</sup>, 2024, to collect one (1) base composite confirmation sample (CS-5) and three (3) sidewall composite samples (SW-4B, SW-6B, and SW-11). Samples were delivered to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chlorides. Analytical results indicated that one (1) base samples (CS-5 at 4 ft bgs) and one (1) sidewall sample (SW-11) exceeded chloride concentrations set forth in NMOCD regulations. All other confirmation samples collected were below NMOCD regulatory criterion for the Site.

After further excavation, NTGE was on Site January 17<sup>th</sup>, 2024, to collect two (2) confirmation samples (CS-5 and CS-7) and four (4) confirmation sidewall samples (SW-10A, SW-11A, SW-12, and SW-13) and were submitted to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chlorides. Analytical results indicated that concentrations for all analytes were below NMOCD regulatory criterion for the Site.

On January 31<sup>st</sup>, 2024, NTGE was on Site to collect one vertical deferral sample (VD-1) near sample SW-7. Samples were collected from surface to three (3) ft bgs at one (1) foot intervals and submitted to Lab for analysis of TPH, BTEX, and chloride. The sample results indicated that the chlorides were delineated to a depth of 2 to 3 ft bgs. The final excavation extent and confirmation sample locations are shown on Figure 4, while Figure 5 Details the location of the deferral sample. Analytical results of all confirmation/deferral samples are included in Table 2 with laboratory reports attached.

### **Deferral and Closure Request**

Devon personnel have expressed that the excavation area adjacent to SW-7 cannot be expanded horizontally due to the presence of facility infrastructure (i.e., separators, tanks and adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns without encroaching and destabilizing the infrastructure. The infrastructure in and around the excavation is shown on Figure 5.

With the vertical samples VD-1 delineating the area adjacent to SW-7, NTGE formally requests a closure/deferral for incident nAPP2321431668 to address the remaining soil impacts (SW-7) at the time of facility decommissioning or when infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial

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action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of future work. The release notification, site assessment/characterization, remediation plan, and closure/deferral portion of form C-141 are attached to the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

Attachments:

- Initial And Final C-141
- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Laboratory Reports and Chain-of-Custody

**INITIAL AND FINAL C-141**

---

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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

### Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
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 type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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>Dale Woodall</u> Title: <u>Env. Professional</u> Signature: <u>Dale Woodall</u> Date: _____ email: <u>dale.woodall@dvn.com</u> Telephone: <u>575-748-1838</u>
<b><u>OCD Only</u></b> Received by: <u>Shelly Wells</u> Date: <u>8/22/2023</u>

Sirius 17 Fed 3H Battery

8/1/2023

OCD incident nAPP2321431668

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
753,235	0.125
Cubic Feet of Soil Impacted	7.846
Barrels of Soil Impacted	1.40
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	0.21
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	0.21
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
0	0.000
Standing fluid	0.000
<b>Total fluids spilled</b>	<b>0.210</b>

**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 255598

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 255598
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	8/22/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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.

Incident ID	
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Facility ID	
Application ID	

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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

**Closure Report 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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**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: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## **SITE CHARACTERIZATION INFORMATION**

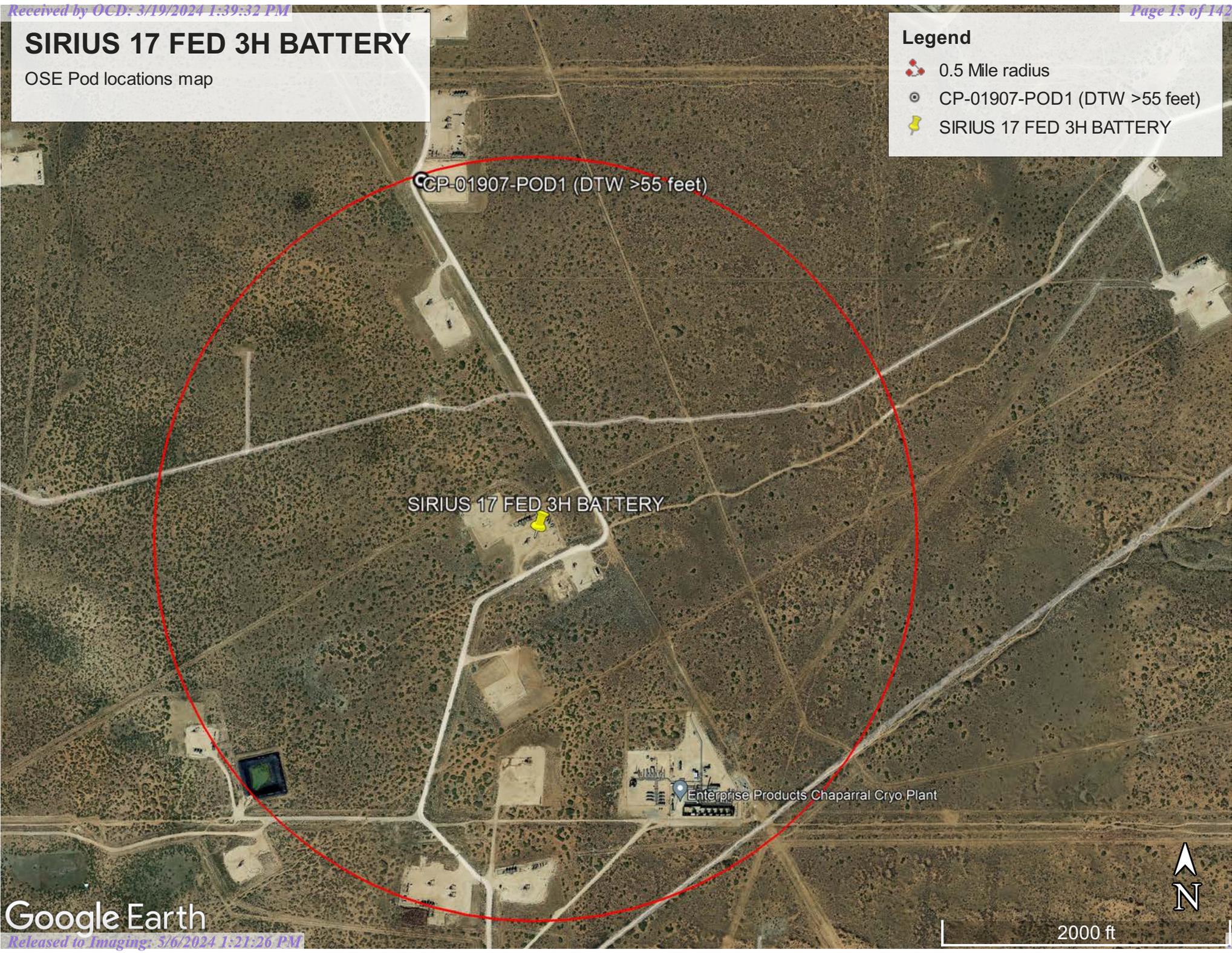
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# SIRIUS 17 FED 3H BATTERY

OSE Pod locations map

**Legend**

-  0.5 Mile radius
-  CP-01907-POD1 (DTW >55 feet)
-  SIRIUS 17 FED 3H BATTERY



CP-01907-POD1 (DTW >55 feet)

SIRIUS 17 FED 3H BATTERY

Enterprise Products Chaparral Cryo Plant

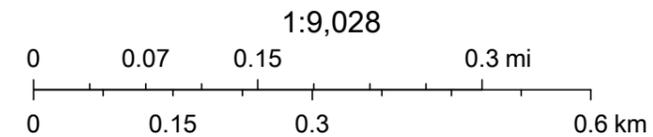


# OSE POD Locations Map



8/2/2023, 2:41:37 PM

- Override 1
- OSE District Boundary
- Connector
- Stream River
- Active
- Artificial Path
- SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) <b>POD 1 (TW-1)</b>		WELL TAG ID NO. <b>N/A</b>		OSE FILE NO(S). <b>CP-1907</b>			
	WELL OWNER NAME(S) <b>Devon Energy</b>				PHONE (OPTIONAL) <b>575-748-1838</b>			
	WELL OWNER MAILING ADDRESS <b>6488 7 Rivers Hwy</b>				CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>	
	WELL LOCATION (FROM GPS)	DEGREES <b>32</b>	MINUTES <b>39</b>	SECONDS <b>55.76</b>	<b>N</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE <b>103</b>	<b>54</b>	<b>4.95</b>	<b>W</b>			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>SE NE NE Sec.18 T19S R31S NMPM</b>								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. <b>1249</b>		NAME OF LICENSED DRILLER <b>Jackie D. Atkins</b>			NAME OF WELL DRILLING COMPANY <b>Atkins Engineering Associates, Inc.</b>		
	DRILLING STARTED <b>7/13/2022</b>	DRILLING ENDED <b>7/13/2022</b>	DEPTH OF COMPLETED WELL (FT) <b>Temporary Well</b>		BORE HOLE DEPTH (FT) <b>±55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>N/A</b>		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>N/A</b>	DATE STATIC MEASURED <b>7/13/2022, 7/1/2022</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: <b>Hollow Stem Auger</b>						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO. <b>CP-1907-POD1 TW-1</b>		POD NO. <b>1</b>		TRN NO. <b>726167</b>			
LOCATION <b>19.31.18.422</b>				WELL TAG ID NO. <b>---</b>		PAGE 1 OF 2	

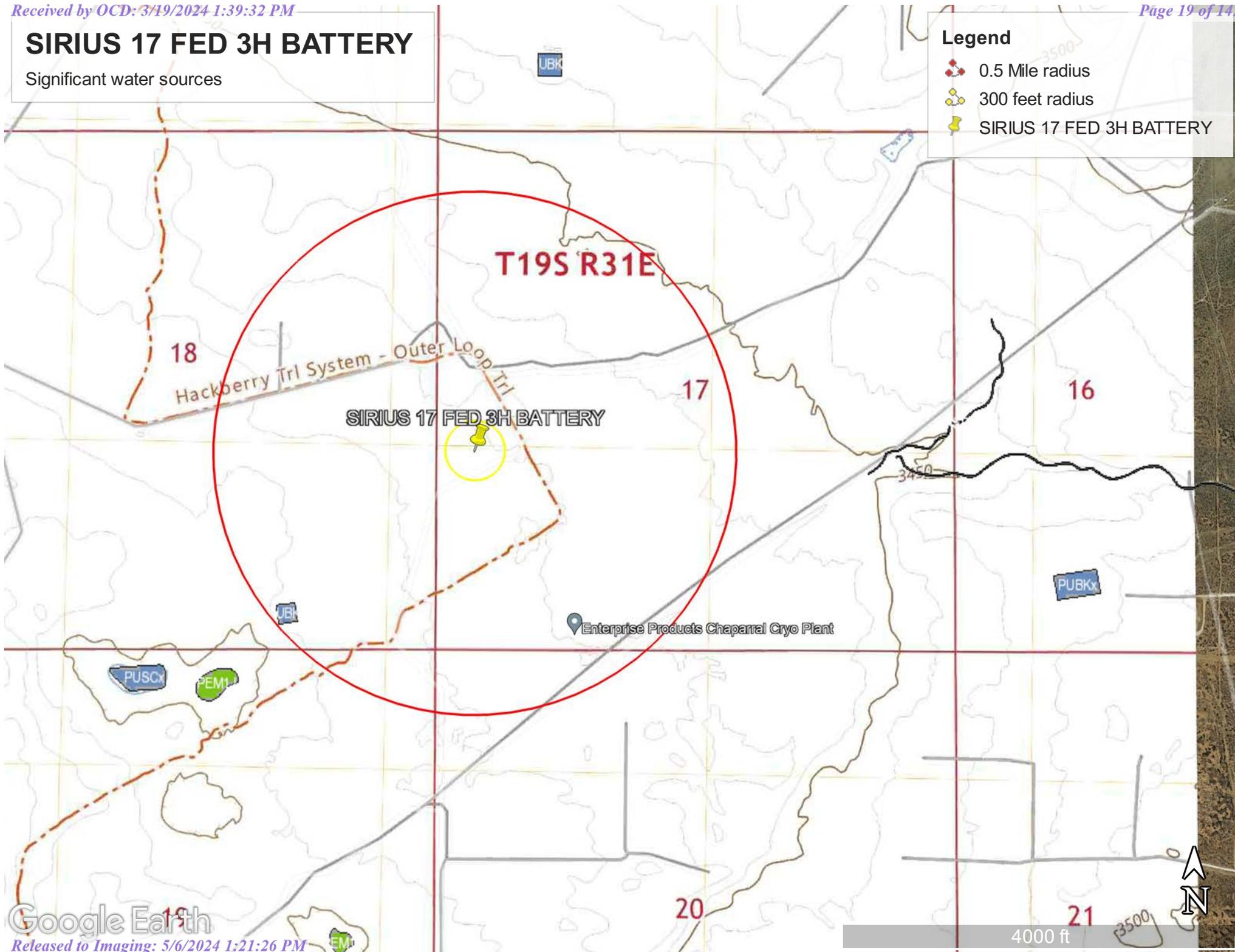


# SIRIUS 17 FED 3H BATTERY

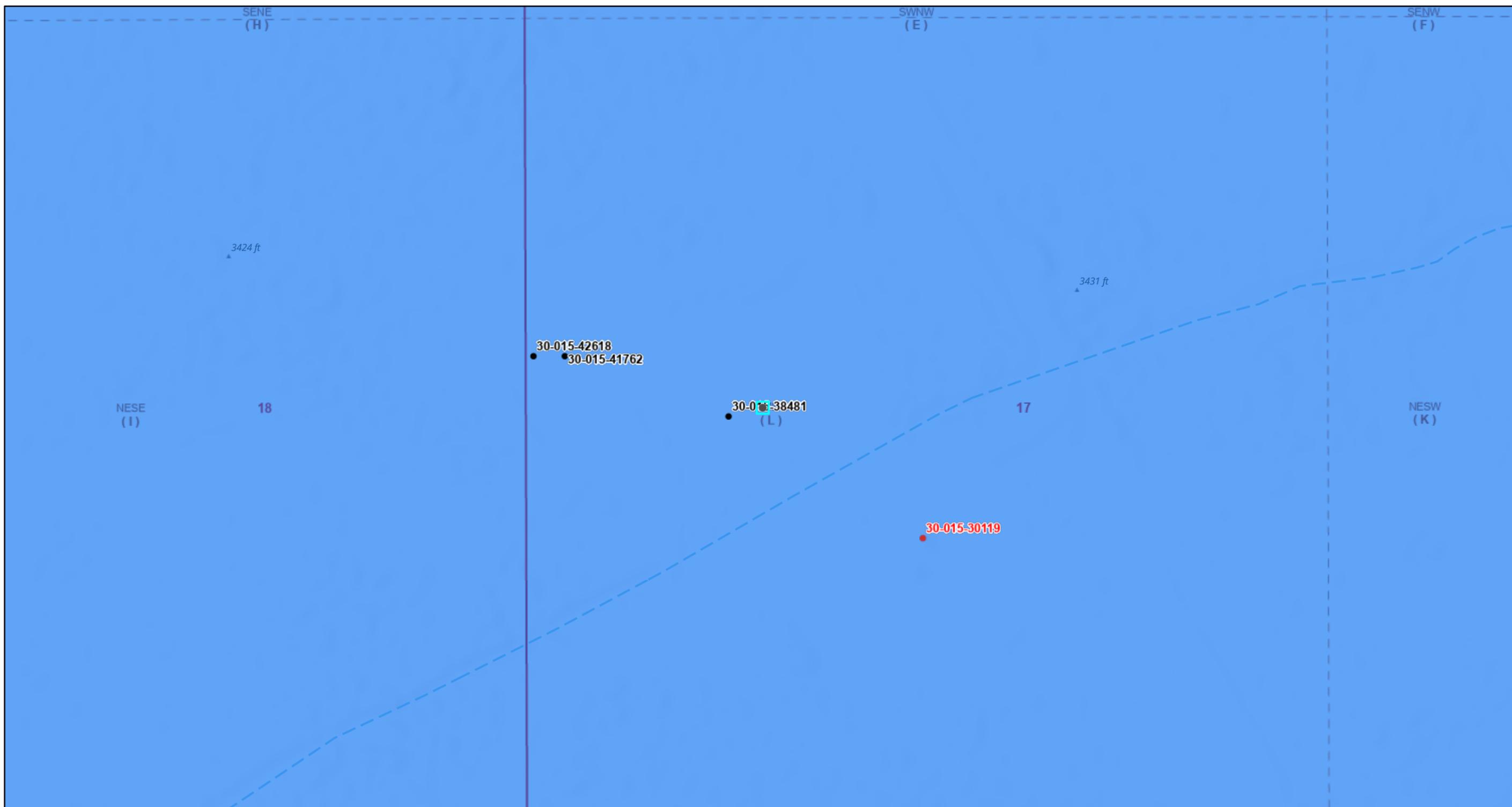
Significant water sources

**Legend**

-  0.5 Mile radius
-  300 feet radius
-  SIRIUS 17 FED 3H BATTERY



# Karst Potential Map

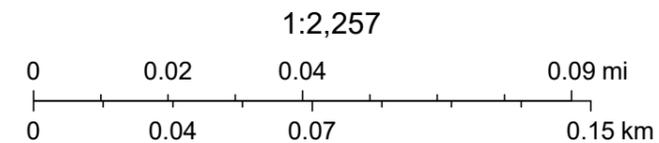


1/31/2024, 9:59:39 AM

Wells - Large Scale Karst Occurrence Potential  PLSS First Division

• Oil, Active  Medium

• Oil, Plugged  PLSS Second Division



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA,



# SIRIUS 17 FED 3H BATTERY



August 2, 2023

### Wetlands

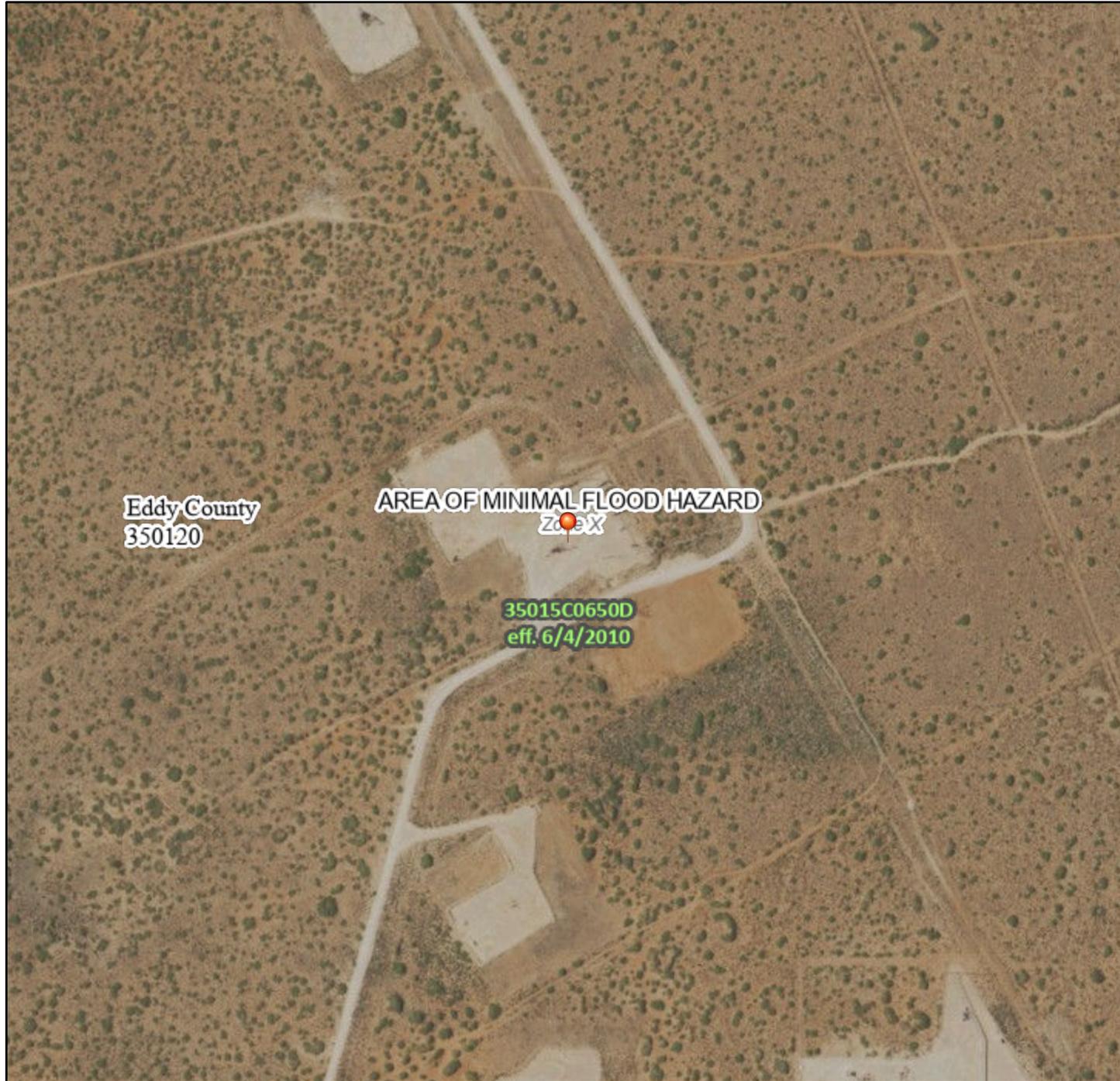
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# National Flood Hazard Layer FIRMette



103°54'15"W 32°39'46"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                                    |  |  |
|------------------------------------|--|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                                    |  | Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                                    |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                                    |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                                    |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |  | Effective LOMRs  |
| <b>GENERAL STRUCTURES</b>          |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
|                                    |  | Channel, Culvert, or Storm Sewer   |
|                                    |  | Levee, Dike, or Floodwall  |
| <b>OTHER FEATURES</b>              |  | 20.2 Cross Sections with 1% Annual Chance  |
|                                    |  | 17.5 Water Surface Elevation   |
|                                    |  | Coastal Transect   |
|                                    |  | Base Flood Elevation Line (BFE)  |
|                                    |  | Limit of Study   |
|                                    |  | Jurisdiction Boundary  |
|                                    |  | Coastal Transect Baseline  |
|                                    |  | Profile Baseline   |
|                                    |  | Hydrographic Feature   |
| <b>MAP PANELS</b>                  |  | Digital Data Available   |
|                                    |  | No Digital Data Available  |
|                                    |  | Unmapped   |
|                                    |  | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.                                     |



1:6,000

103°53'37"W 32°39'16"N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/2/2023 at 4:53 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Sirius 17 Fed 3H Battery**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
<b>Vertical Delineation Samples</b>													
V-1	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,060
	9/12/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,460
	9/12/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
	9/12/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,860
	9/12/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,400
	9/12/2023	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,800
	10/16/2023	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	10/16/2023	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	10/16/2023	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
V-2	10/16/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,400
	9/12/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,650
	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	9/12/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	9/12/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
9/12/2023	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
<b>Horizontal Delineation Samples</b>													
H-1	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624.0
	10/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	10/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	10/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	10/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-1A	10/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-2	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416.0
H-3	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480.0
H-4	9/12/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	143	143	58	201	160
	10/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1940	1940	553	2493	96.0
	10/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1450	1450	438	1888	528
	10/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	726	726	199	925	336.0
	10/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1140	1140	287	1427	288
H-4A	10/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

- Notes:
- 1. Values reported in mg/kg
  - 2. < = Value Less Than Reporting Limit (RL)
  - 3. Bold indicates Analyte Detected
  - 4. BTEX analyses by EPA Method SW 8021B
  - 5. TPH analyses by EPA Method SW 8015 Mod.
  - 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
  - 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
  - 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
  - 9. --- Not Analyzed

SP-1 Sample Point Excavated

Table 2  
 Summary of Soil Analytical Data - Confirmation Samples  
 Sirius 17 Fed 3H Battery  
 Devon Energy Production Company  
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)	
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)		
								10 mg/kg	---	---	---	50 mg/kg		---
<b>Table 1 Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC</b>														
<b>Base Confirmation Samples</b>														
CS-1	12/11/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-2	12/11/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	800
CS-3	<del>12/11/2023</del>	<del>3'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>24,800</del>
	12/19/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	656
CS-4	12/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-5	<del>12/11/2023</del>	<del>3'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>9,600</del>
	1/8/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	28,000
	1/17/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-6	<del>12/11/2023</del>	<del>3'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>13,800</del>
	12/19/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-7	1/17/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
<b>Sidewall Confirmation Samples</b>														
SW-1	12/11/2023	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.3	13.3	<10.0	13.3	<10.0	32.0
SW-2	12/11/2023	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-3	12/11/2023	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-4	<del>12/11/2023</del>	<del>(3-6')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>12.5</del>	<del>12.5</del>	<del>&lt;10.0</del>	<del>12.5</del>	<del>&lt;10.0</del>	<del>14,600</del>
SW-4A	<del>12/19/2023</del>	<del>(3-6')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>10400</del>
SW-4B	1/8/2024	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW-5	12/11/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-6	<del>12/11/2023</del>	<del>(0-3')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>3,320</del>
SW-6A	<del>12/19/2023</del>	<del>(0-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>12000</del>
SW-6B	1/8/2024	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-7	12/11/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	23,600
SW-8	12/19/2023	(3-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-9	12/19/2023	(3-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-10	<del>12/19/2023</del>	<del>(3-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>576</del>
SW-10A	1/17/2024	(4-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-11	<del>1/8/2024</del>	<del>(0-4')</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>14400</del>
SW-11A	1/17/2024	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-12	1/17/2024	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-13	1/17/2024	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sirius 17 Fed 3H Battery**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Deferral Samples													
VD-1	1/31/2024	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>304</b>
	1/31/2024	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>800</b>
	1/31/2024	2-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>560</b>

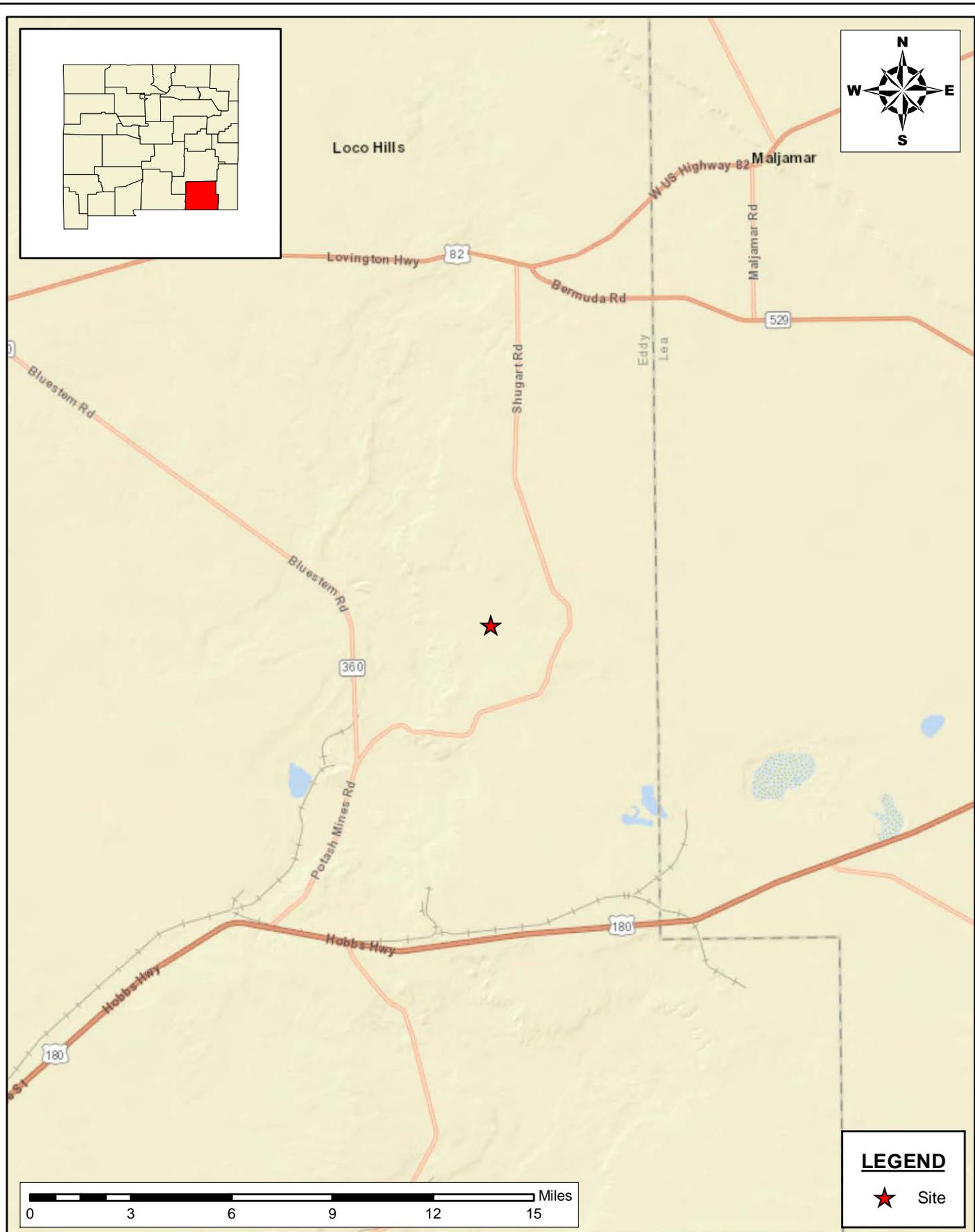
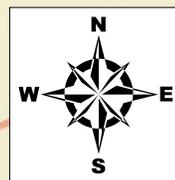
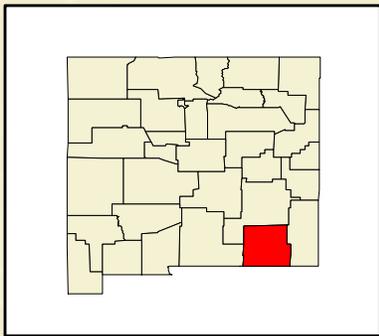
## Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- Not Analyzed

SP-1	Sample Point Excavated
------	------------------------

## **FIGURES**

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**LEGEND**

★ Site

Document Path: P:\2023 PROJECTS\DEVON\IRSC\237676-Sirius 17 Fed 3 Battery\7 - Figures\GIS\Figure\_1\_SL.mxd

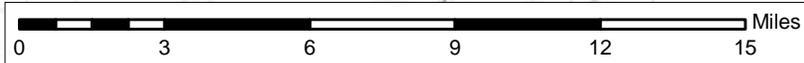
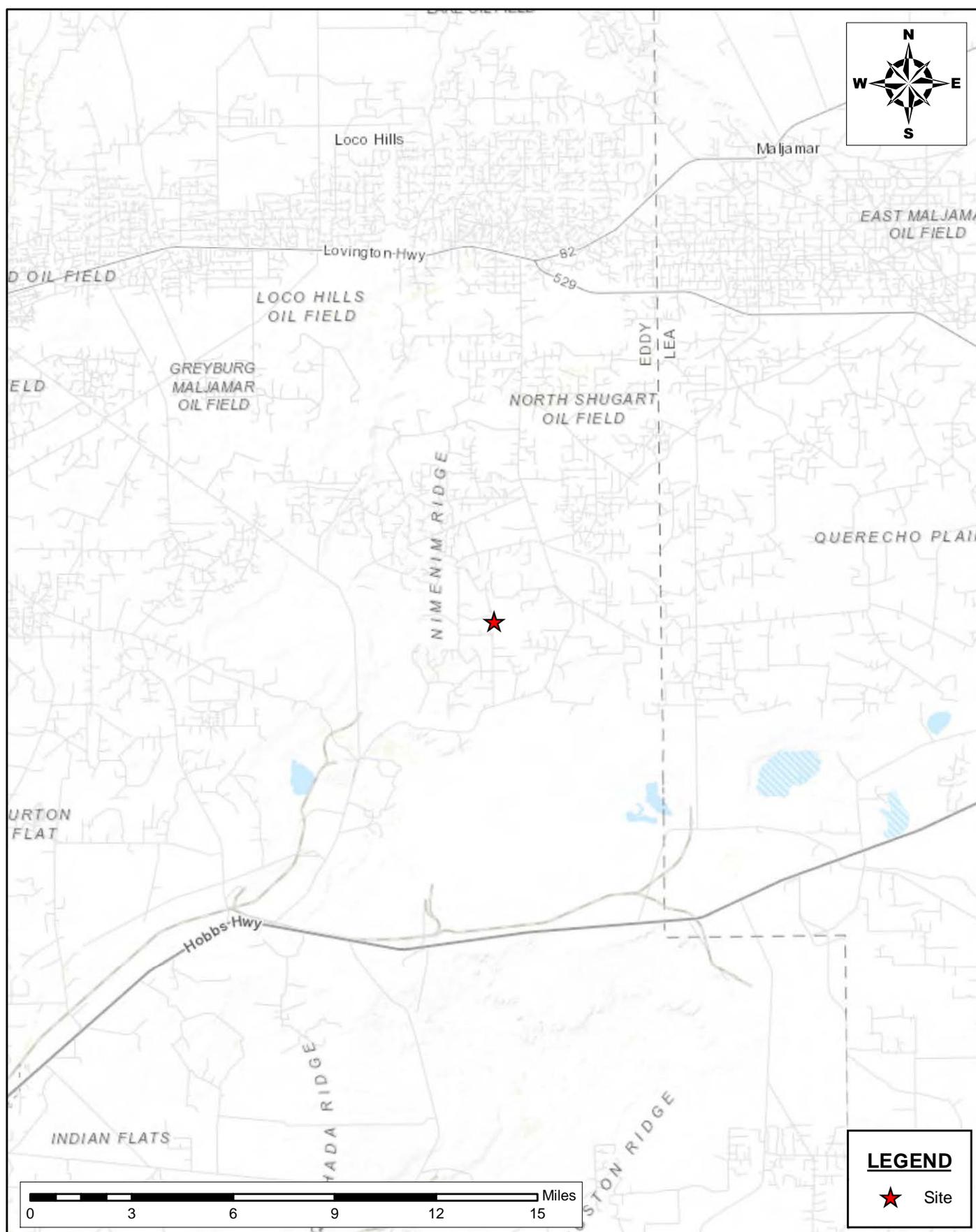
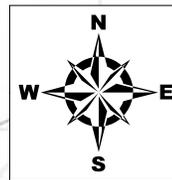
SITE LOCATION MAP  
 DEFERRAL REQUEST AND CLOSURE REPORT  
 SIRIUS 17 FED 3H BATTERY  
 DEVON ENERGY PRODUCTION CORPORATION EDDY  
 COUNTY, NEW MEXICO

SCALE: As Shown    Date: 8/4/2023    PROJECT #: 237676

  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenvironmental.com

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 1**  
 SHEET NUMBER:  
**1 of 1**



**LEGEND**

★ Site

Document Path: P:\2023 PROJECTS\DEVON\IRSC\237676-Sirius 17 Fed 3H Battery\7 - Figures\GIS\Figure\_2\_TM.mxd

TOPOGRAPHIC MAP  
 DEFERRAL REQUEST AND CLOSURE REPORT  
 SIRIUS 17 FED 3H BATTERY  
 DEVON ENERGY PRODUCTION CORPORATION EDDY  
 COUNTY, NEW MEXICO

SCALE: As Shown    Date: 8/4/2023    PROJECT #: 237676



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenvironmental.com

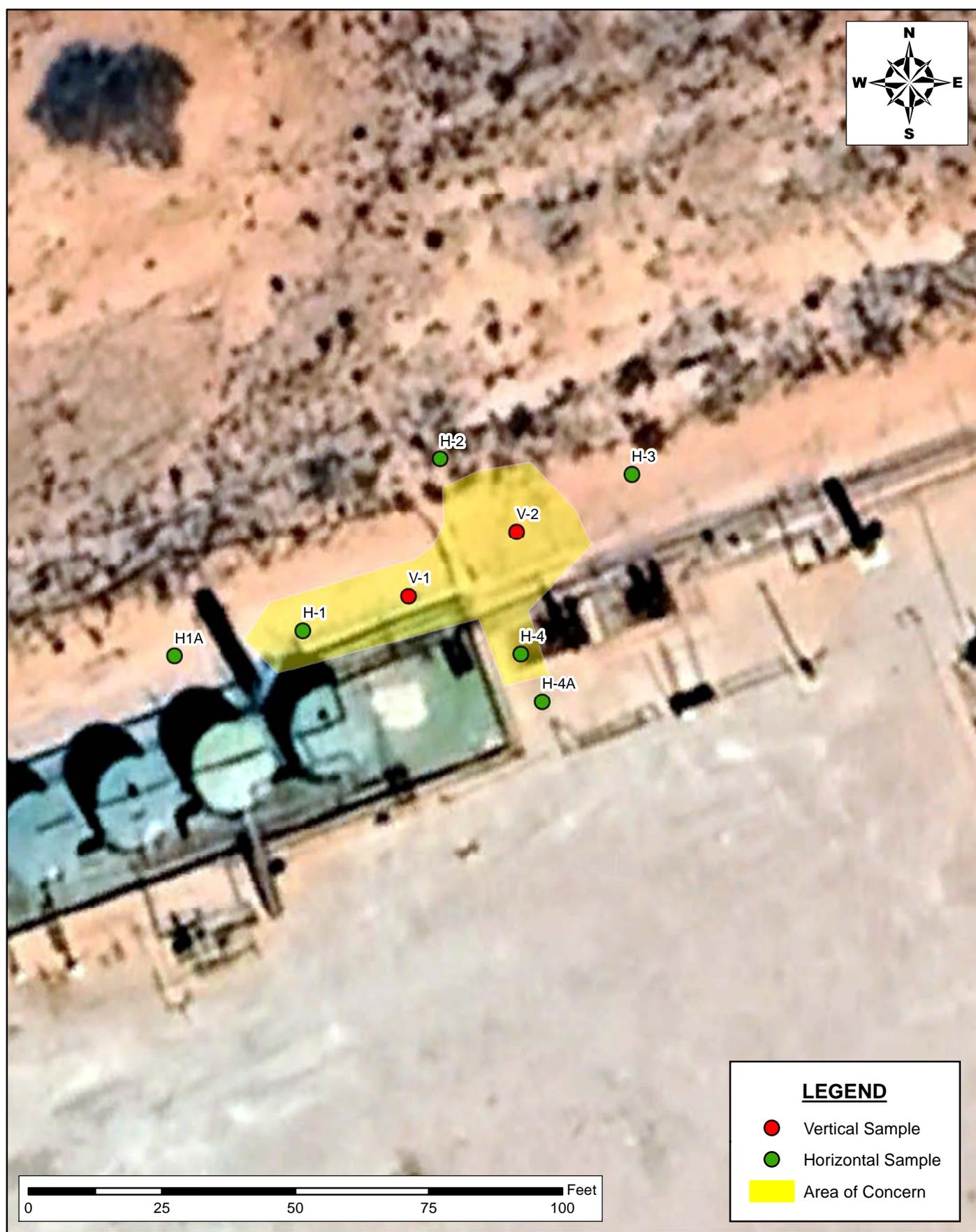
**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 2**

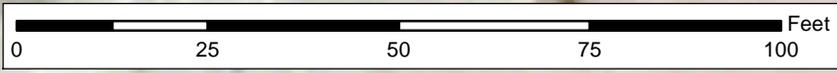
SHEET NUMBER:  
**1 of 1**

Document Path: C:\Users\ntg\gis\New\_Tech\_Global\NTGE - Documents\2023 PROJECTS\DEVON\RSC\237676 - Sirius 17 Fed 3 Battery\7 - Figures\GIS\Figure\_3\_Closure Map.mxd



**LEGEND**

- Vertical Sample
- Horizontal Sample
- Area of Concern



INITIAL SAMPLE MAP  
 DEFERRAL REQUEST AND CLOSURE REPORT  
 DEVON ENERGY PRODUCTION CORPORATION SIRIUS  
 17 FED 3H BATTERY  
 EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 11/15/2023    PROJECT #: 237676

 **NTG**  
 ENVIRONMENTAL

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenvironmental.com

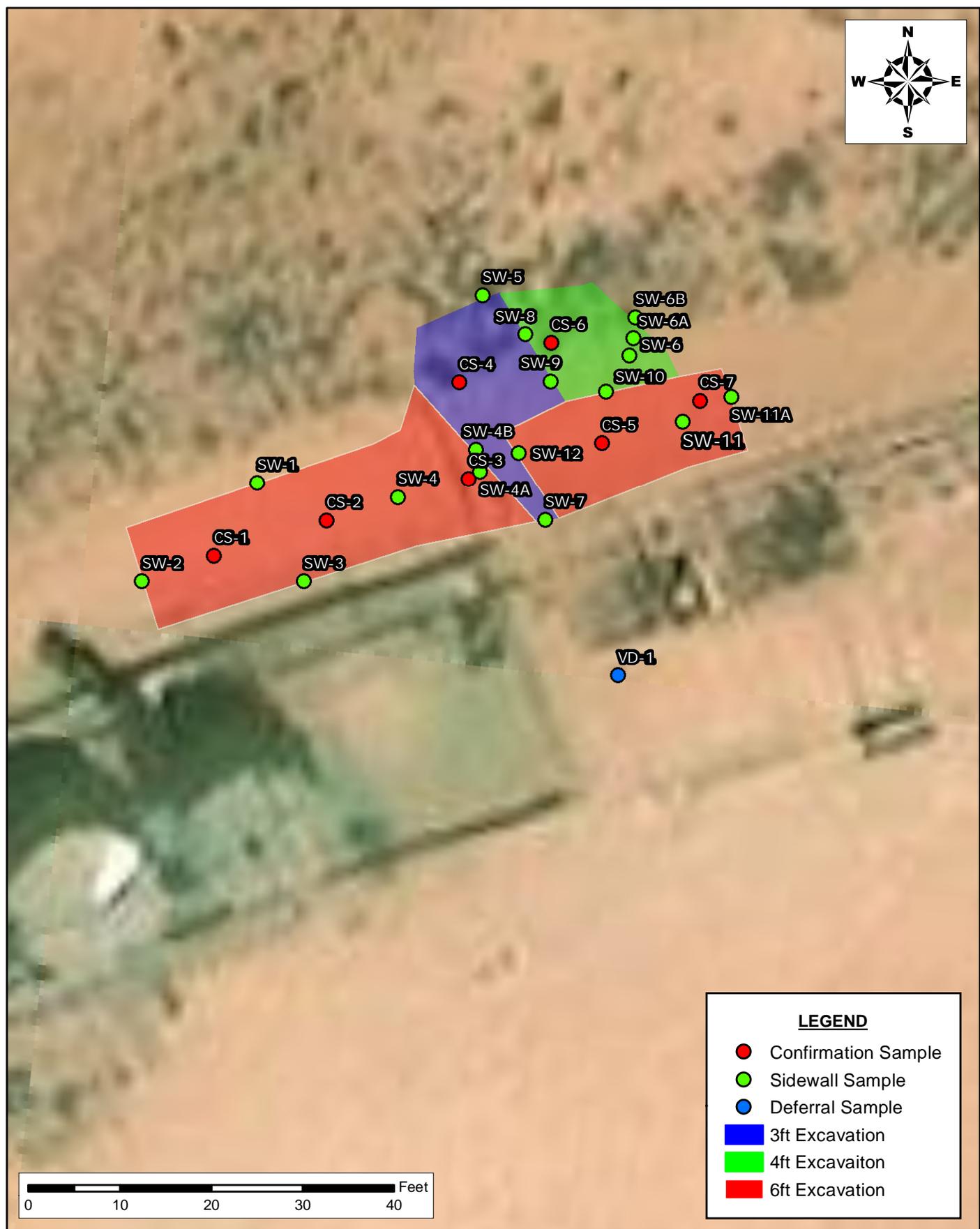
**NOTES:**

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 3**

SHEET NUMBER:  
**1 of 1**

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NIRSC\237676 - Sirius 17 Fed 3 Battery\7- Figures\GIS\Figure 4.mxd



**LEGEND**

- Confirmation Sample
- Sidewall Sample
- Deferral Sample
- 3ft Excavation
- 4ft Excavation
- 6ft Excavation

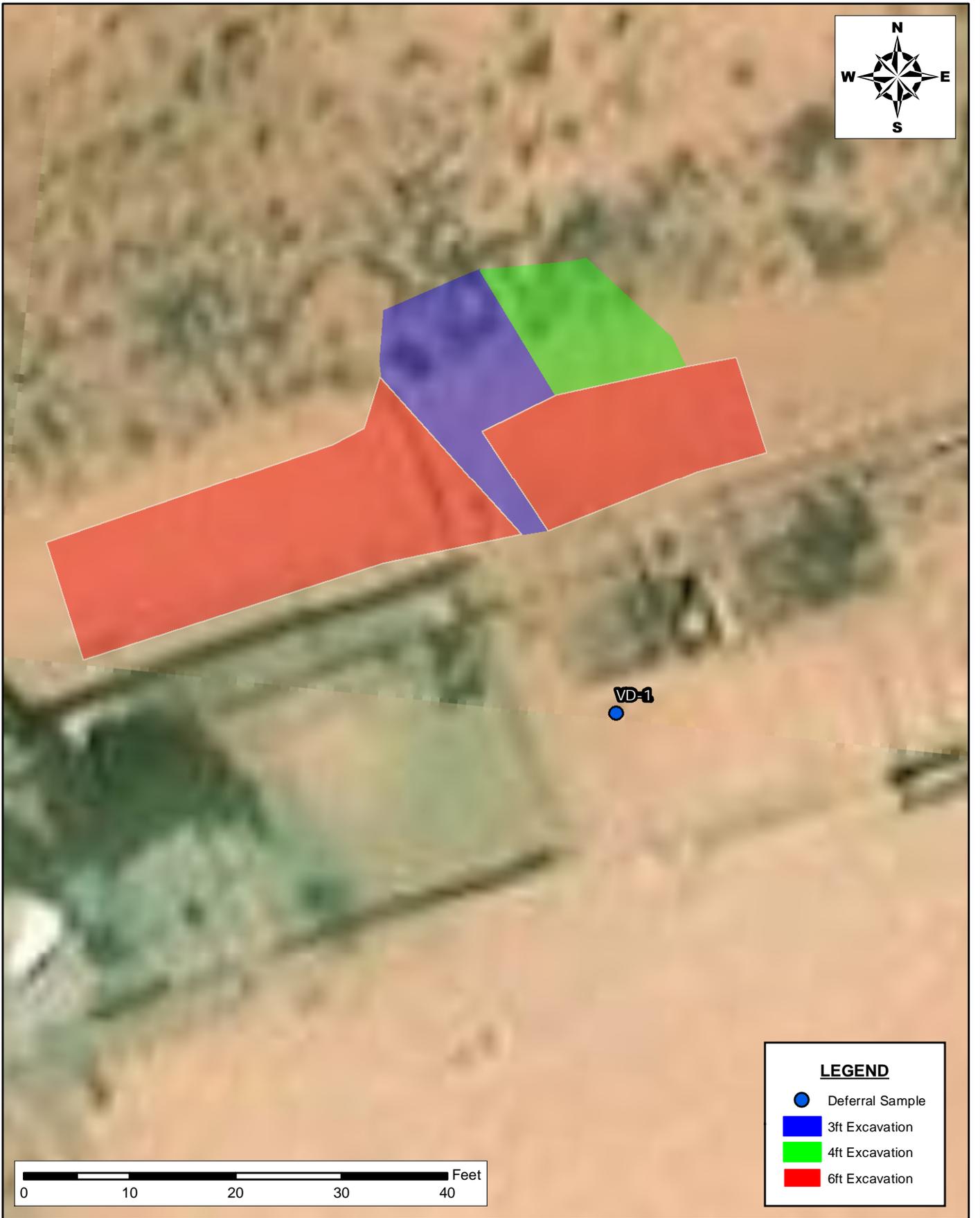
CONFIRMATION SAMPLE MAP  
DEFERRAL REQUEST AND CLOSURE REPORT  
SIRIUS 17 FED 3H BATTERY  
DEVON ENERGY PRODUCTION COMPANY  
EDDY COUNTY, NEW MEXICO

  
**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
T - 281.872.9300  
F - 281.872.4521  
Web: www.ntgenvironmental.com

**NOTES:**  
1. Base Image: ESRI Maps & Data 2017  
2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 4**  
SHEET NUMBER:  
**1 of 1**

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NIRSC\237676 - Sirius 17 Fed 3 Battery\7- Figures\GIS\Figure 5.mxd



**LEGEND**

- Deferral Sample
- 3ft Excavation
- 4ft Excavation
- 6ft Excavation



DEFERRAL SAMPLE MAP  
 DEFERRAL REQUEST AND CLOSURE REPORT  
 SIRIUS 17 FED 3H BATTERY  
 DEVON ENERGY PRODUCTION COMPANY  
 EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 02/01/2024    PROJECT #: 237676

 **NTG**  
 ENVIRONMENTAL

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenvironmental.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 5**

SHEET NUMBER:  
**1 of 1**

## **PHOTOGRAPHIC LOG**

---

# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 1

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** View of the release.



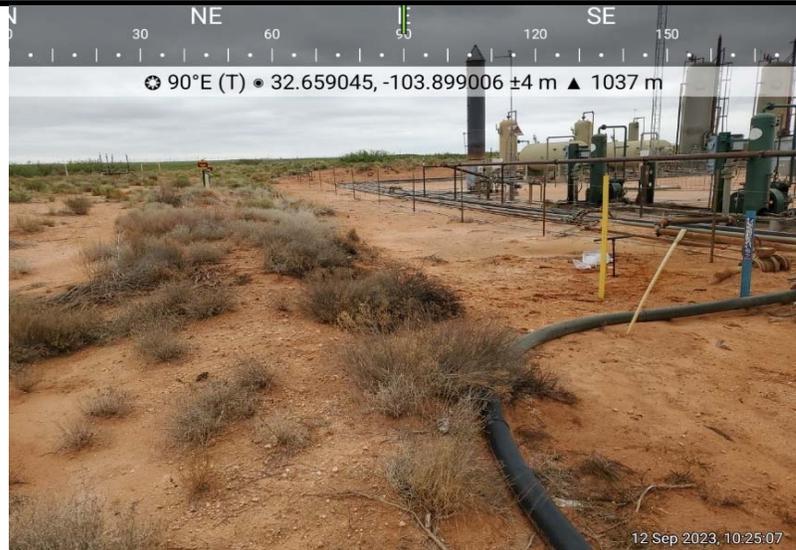
### Photograph No. 2

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** View of the release.



### Photograph No. 3

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** View of the release.



# PHOTOGRAPHIC LOG

## Devon Energy Production Company

### Photograph No. 4

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** View of Excavation



### Photograph No. 5

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** View of Excavation.



### Photograph No. 6

**Facility:** Sirius 17 Fed 3H Battery  
**County:** Eddy County, New Mexico  
**Description:** Excavation After Backfill.



**LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 18, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 0-6" ) (H234929-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.92	95.9	2.00	2.05	
Toluene*	<0.050	0.050	09/15/2023	ND	1.98	98.8	2.00	1.15	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	0.924	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	5.68	94.7	6.00	0.00354	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 1-1.5' ) (H234929-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 2-2.5' ) (H234929-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 3-3.5' ) (H234929-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 4-4.5' ) (H234929-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 1 ( 5-5.5' ) (H234929-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 0-6" ) (H234929-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 1-1.5' ) (H234929-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 2-2.5' ) (H234929-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 3-3.5' ) (H234929-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 4-4.5' ) (H234929-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: V 2 ( 5-5.5' ) (H234929-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: H 1 ( 0-6" ) (H234929-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: H 2 ( 0-6" ) (H234929-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: H 3 ( 0-6" ) (H234929-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.3	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: H 4 ( 0-6" ) (H234929-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.93	96.6	2.00	2.23	
Toluene*	<0.050	0.050	09/15/2023	ND	2.03	101	2.00	3.59	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.09	101	6.00	1.67	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	09/14/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	182	90.9	200	1.06	
<b>DRO &gt;C10-C28*</b>	<b>143</b>	10.0	09/14/2023	ND	193	96.3	200	1.51	
<b>EXT DRO &gt;C28-C36</b>	<b>58.0</b>	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1/2

BILL TO

ANALYSIS REQUEST

Company Name: **VTGE**  
 Project Manager: **Ethan Sessums**  
 Address: **209 W Wackay St**  
 City: **Carrizosa** State: **NM** Zip: **88220**  
 Phone #: **432 721 2159** Fax #:   
 Project #: **237676** Project Owner: **Devon**  
 Project Name: **Sirius Fed 17-SR Battery**  
 Project Location: **Eddy Co, NM**  
 Sampler Name: **Prity Kravonov**  
 P.O. #: **21205968**  
 Company: **Devon**  
 Attn: **Dale Woodell**  
 Address:   
 City:   
 State:   
 Zip:   
 Phone #:   
 Fax #:   
 PRESERV:   
 SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
H234929	V1	G	1	SOIL	X		9/12/23		X Chloride
	V1			WASTEWATER					X BTEX
	V1			SLUDGE					X TPH
	V1			OTHER:					
	V1			ACID/BASE:					
	V1			ICE / COOL					
	V1			OTHER:					

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Relinquished By: **[Signature]** Date: **9-12-23** Received By: **[Signature]**  
 Time: **1415** Medication: **[Signature]**

Delivered By: (Circle One) **UPS** Observed Temp. °C: **5.2** Sample Condition: **Intact** CHECKED BY: **[Signature]**  
 Corrected Temp. °C: **5.2** Cool:  Yes  No Intact:  Yes  No  
 Turnaround Time: **Standard** Bacteria (only) Sample Condition:  Rush  Add'l Phone #:   
 Thermometer ID #140  Yes  No Corrected Temp. °C: **5.2**  Yes  No

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





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October 20, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/16/23 12:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: V 1 (5') (H235621-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	174	86.9	200	1.85	
DRO >C10-C28*	<10.0	10.0	10/17/2023	ND	168	83.8	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: V 1 (6') (H235621-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05		
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97		
Total BTEX	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485		
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND						

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: V 1 (7') (H235621-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: V 1 (8') (H235621-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05		
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97		
Total BTEX	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485		
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND						

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 1 (1-1.5') (H235621-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.89	94.7	2.00	3.05	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.978	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.94	97.1	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.83	97.1	6.00	1.97	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 1 (2-2.5') (H235621-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 1 (3-3.5') (H235621-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	167	83.5	200	0.485	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	189	94.4	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 1 (4-4.5') (H235621-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 4 (1-1.5') (H235621-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	177	88.3	200	5.27	
<b>DRO &gt;C10-C28*</b>	<b>1940</b>	10.0	10/17/2023	ND	154	77.2	200	3.05	
<b>EXT DRO &gt;C28-C36</b>	<b>553</b>	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 4 (2-2.5') (H235621-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>528</b>	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	177	88.3	200	5.27	
<b>DRO &gt;C10-C28*</b>	<b>1450</b>	10.0	10/17/2023	ND	154	77.2	200	3.05	
<b>EXT DRO &gt;C28-C36</b>	<b>438</b>	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 4 (3-3.5') (H235621-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2023	ND	1.92	96.2	2.00	0.296	
Toluene*	<0.050	0.050	10/16/2023	ND	1.99	99.3	2.00	0.577	
Ethylbenzene*	<0.050	0.050	10/16/2023	ND	2.01	100	2.00	0.636	
Total Xylenes*	<0.150	0.150	10/16/2023	ND	5.99	99.8	6.00	1.45	
Total BTEX	<0.300	0.300	10/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	726	10.0	10/17/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	199	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 64.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H 4 (4-4.5') (H235621-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.84	91.8	2.00	2.37	
Toluene*	<0.050	0.050	10/17/2023	ND	1.75	87.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.77	88.7	2.00	1.12	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.27	87.8	6.00	1.22	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2023	ND	177	88.3	200	5.27	
<b>DRO &gt;C10-C28*</b>	<b>1140</b>	10.0	10/17/2023	ND	154	77.2	200	3.05	
<b>EXT DRO &gt;C28-C36</b>	<b>287</b>	10.0	10/17/2023	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 12

Company Name: <b>NTGE</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																															
Project Manager: <b>Ethan Sessums</b>		P.O. #: <b>21205968</b>																																	
Address: <b>209 W Mckay St</b>		Company: <b>Deikon</b>																																	
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>		Attn: <b>Dele Woodell</b>																																	
Phone #: _____ Fax #: _____		Address: _____																																	
Project #: <b>237676</b> Project Owner: _____		City: _____																																	
Project Name: <b>Sirius 17 Fed 3H Battery</b>		State: _____ Zip: _____																																	
Project Location: <b>leg Co NM</b>		Phone #: _____																																	
Sampler Name: <b>Dmitry Mikuzonov, Clayton Thomas</b>		Fax #: _____																																	
FOR LAB USE ONLY										MATRIX		PRESERV.		SAMPLING																					
Lab I.D. <b>H235621</b>		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		<b>BTEX</b>		<b>TAP</b>		<b>CALORIDE</b>	
1 VI (5')				5		1		X												X		X		10/16											
2 I (6')																																			
3 I (7')																																			
4 I (8')																																			
5 HI DN 1-1.5'																																			
6 I DN 2-2.5'																																			
7 I DN 3-3.5'																																			
8 I DN 4-4.5'																																			
9 HI DN 1-1.5'																																			
10 HI DN 2-2.5'																																			

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Relinquished By:		Date: <b>10-16-23</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>12:23</b>						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <b>-0.6</b>		Sample Condition Cool/Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C				Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
						Thermometer ID #140 Correction Factor 0°C	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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October 20, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/16/23 12:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H1 A ( 0-6" ) (H235622-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.84	91.8	2.00	2.37	
Toluene*	<0.050	0.050	10/17/2023	ND	1.75	87.5	2.00	1.05	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.77	88.7	2.00	1.12	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.27	87.8	6.00	1.22	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

**Sample ID: H4 A ( 0-6" ) (H235622-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.84	91.8	2.00	2.37		
Toluene*	<0.050	0.050	10/17/2023	ND	1.75	87.5	2.00	1.05		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.77	88.7	2.00	1.12		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.27	87.8	6.00	1.22		
Total BTEX	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27		
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05		
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND						

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 12, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/11/23 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 1 (6') (H236601-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/12/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 2 (6') (H236601-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/12/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 3 (3') (H236601-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	12/12/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 4 (3') (H236601-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65		
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19		
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33		
Total BTEX	<0.300	0.300	12/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/12/2023	ND	416	104	400	8.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312		
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76		
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND						

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 5 (3') (H236601-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>9600</b>	16.0	12/12/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	216	108	200	0.312	
<b>DRO &gt;C10-C28*</b>	<b>12.3</b>	10.0	12/12/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 6 (3') (H236601-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65		
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19		
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33		
Total BTEX	<0.300	0.300	12/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13800	16.0	12/12/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312		
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76		
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 1 (0-6') (H236601-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65		
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19		
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33		
Total BTEX	<0.300	0.300	12/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>32.0</b>	16.0	12/12/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	216	108	200	0.312		
<b>DRO &gt;C10-C28*</b>	<b>13.3</b>	10.0	12/12/2023	ND	187	93.6	200	1.76		
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 2 (0-6') (H236601-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/12/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 3 (0-6') (H236601-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/12/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND					

Surrogate: 1-Chlorooctane 54.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 4 (3-6') (H236601-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>14600</b>	16.0	12/12/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	216	108	200	0.312	
<b>DRO &gt;C10-C28*</b>	<b>12.5</b>	10.0	12/12/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 5 (0-3') (H236601-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65		
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19		
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33		
Total BTEX	<0.300	0.300	12/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/12/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312		
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76		
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND						

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 6 (0-3') (H236601-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53	
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19	
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33	
Total BTEX	<0.300	0.300	12/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	12/12/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	216	108	200	0.312	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	187	93.6	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	12/11/2023	Sampling Date:	12/11/2023
Reported:	12/12/2023	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 7 (0-3') (H236601-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/11/2023	ND	2.02	101	2.00	1.65		
Toluene*	<0.050	0.050	12/11/2023	ND	2.13	106	2.00	1.53		
Ethylbenzene*	<0.050	0.050	12/11/2023	ND	2.18	109	2.00	2.19		
Total Xylenes*	<0.150	0.150	12/11/2023	ND	6.61	110	6.00	3.33		
Total BTEX	<0.300	0.300	12/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23600	16.0	12/12/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/11/2023	ND	216	108	200	0.312		
DRO >C10-C28*	<10.0	10.0	12/11/2023	ND	187	93.6	200	1.76		
EXT DRO >C28-C36	<10.0	10.0	12/11/2023	ND						

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> NTH Environmental <b>Project Manager:</b> Ethan Sessums <b>Address:</b> 209 W McKay St. <b>City:</b> Carlsbad <b>State:</b> NM <b>zip:</b> 88220 <b>Phone #:</b> (432) 701-2159 <b>Fax #:</b> <b>Project #:</b> 237676 <b>Project Owner:</b> <b>Project Name:</b> SIRIUS 17 Fed 3 Battery <b>Project Location:</b> Eddy Co., NM <b>Sampler Name:</b> Jillian Smiley		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Devon <b>Attn:</b> Dale Woodall <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b> H030601 Lab I.D.		<b>ANALYSIS REQUEST</b>	
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<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 12-11-23 <b>Time:</b> 12:00		<b>Received By:</b> <i>[Signature]</i> <b>Date:</b> 12-11-23 <b>Time:</b> 10:55	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C:</b> 4.0 <b>Corrected Temp. °C:</b>	
<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		<b>Checked By:</b> <i>[Signature]</i>	
<b>Turnaround Time:</b>		<b>Standard</b> <input checked="" type="checkbox"/> <b>Bacteria (only)</b> <input type="checkbox"/> RUSH <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b>Thermometer ID #140</b> Correction Factor 0°C		<b>Sample Condition</b> Observed Temp. °C Corrected Temp. °C	
<b>REMARKS:</b>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:	
11 SW-5 (D-3') 12 SW-6 (D-3') 13 SW-7 (D-3')		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE TIME		SAMPLING	
12-11-23 10:45 12-11-23 10:50 12-11-23 10:55		B-TEX TPH Chloride	

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 21, 2023

ETHAN SESSUMS  
NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/19/23 11:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 6 ( 4' )	H236732-01	Soil	19-Dec-23 09:30	19-Dec-23 11:19
SW - 10 ( 3-4' )	H236732-02	Soil	19-Dec-23 09:35	19-Dec-23 11:19
SW - 4A ( 3-6' )	H236732-03	Soil	19-Dec-23 09:40	19-Dec-23 11:19
CS - 3 ( 6' )	H236732-04	Soil	19-Dec-23 09:45	19-Dec-23 11:19
SW - 8 ( 3-4' )	H236732-05	Soil	19-Dec-23 09:50	19-Dec-23 11:19
SW - 9 ( 3-4' )	H236732-06	Soil	19-Dec-23 09:55	19-Dec-23 11:19
SW - 6A ( 0-4' )	H236732-07	Soil	19-Dec-23 09:59	19-Dec-23 11:19

12/21/23 - Client changed some of the sample IDs (see COC). This is the revised report and will replace the one sent on 12/20/23.

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**CS - 6 ( 4' )  
H236732-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>464</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.0 %	48.2-134		3121913	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.7 %	49.1-148		3121913	MS	20-Dec-23	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**SW - 10 ( 3-4' )**

**H236732-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>576</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.7 %	48.2-134		3121913	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.7 %	49.1-148		3121913	MS	20-Dec-23	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**SW - 4A ( 3-6' )  
H236732-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>10400</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121913	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.8 %	48.2-134		3121913	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.8 %	49.1-148		3121913	MS	20-Dec-23	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**CS - 3 ( 6' )  
H236732-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>656</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.1 %		71.5-134	3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.0 %		48.2-134	3121922	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.1 %		49.1-148	3121922	MS	20-Dec-23	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**SW - 8 ( 3-4' )  
H236732-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.9 %	48.2-134		3121922	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.3 %	49.1-148		3121922	MS	20-Dec-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**SW - 9 (3-4')  
H236732-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.4 %	48.2-134		3121922	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %	49.1-148		3121922	MS	20-Dec-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**SW - 6A ( 0-4' )  
H236732-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>12000</b>		16.0	mg/kg	4	3122010	AC	20-Dec-23	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3121911	JH	19-Dec-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3121911	JH	19-Dec-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3121911	JH	19-Dec-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121922	MS	20-Dec-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.9 %	48.2-134		3121922	MS	20-Dec-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.4 %	49.1-148		3121922	MS	20-Dec-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3122010 - 1:4 DI Water</b>										
<b>Blank (3122010-BLK1)</b>										
Prepared & Analyzed: 20-Dec-23										
Chloride	ND	16.0	mg/kg							
<b>LCS (3122010-BS1)</b>										
Prepared & Analyzed: 20-Dec-23										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (3122010-BSD1)</b>										
Prepared & Analyzed: 20-Dec-23										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3121911 - Volatiles**

**Blank (3121911-BLK1)**

Prepared & Analyzed: 19-Dec-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0559		mg/kg	0.0500		112	71.5-134			

**LCS (3121911-BS1)**

Prepared & Analyzed: 19-Dec-23

Benzene	2.36	0.050	mg/kg	2.00		118	82.8-130			
Toluene	2.36	0.050	mg/kg	2.00		118	86-128			
Ethylbenzene	2.45	0.050	mg/kg	2.00		122	85.9-128			
m,p-Xylene	4.89	0.100	mg/kg	4.00		122	89-129			
o-Xylene	2.43	0.050	mg/kg	2.00		122	86.1-125			
Total Xylenes	7.32	0.150	mg/kg	6.00		122	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			

**LCS Dup (3121911-BSD1)**

Prepared & Analyzed: 19-Dec-23

Benzene	2.47	0.050	mg/kg	2.00		124	82.8-130	4.79	15.8	
Toluene	2.33	0.050	mg/kg	2.00		116	86-128	1.42	15.9	
Ethylbenzene	2.41	0.050	mg/kg	2.00		121	85.9-128	1.47	16	
m,p-Xylene	4.78	0.100	mg/kg	4.00		120	89-129	2.17	16.2	
o-Xylene	2.39	0.050	mg/kg	2.00		119	86.1-125	1.89	16.7	
Total Xylenes	7.17	0.150	mg/kg	6.00		120	88.2-128	2.08	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.1	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3121913 - General Prep - Organics**

<b>Blank (3121913-BLK1)</b>		Prepared & Analyzed: 19-Dec-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.8		mg/kg	50.0		85.5	48.2-134			
Surrogate: 1-Chlorooctadecane	40.2		mg/kg	50.0		80.4	49.1-148			

<b>LCS (3121913-BS1)</b>		Prepared & Analyzed: 19-Dec-23								
GRO C6-C10	172	10.0	mg/kg	200		85.9	66.4-123			
DRO >C10-C28	177	10.0	mg/kg	200		88.6	66.5-118			
Total TPH C6-C28	349	10.0	mg/kg	400		87.2	77.6-123			
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		88.0	48.2-134			
Surrogate: 1-Chlorooctadecane	41.8		mg/kg	50.0		83.7	49.1-148			

<b>LCS Dup (3121913-BS1)</b>		Prepared & Analyzed: 19-Dec-23								
GRO C6-C10	174	10.0	mg/kg	200		86.8	66.4-123	1.03	17.7	
DRO >C10-C28	180	10.0	mg/kg	200		90.1	66.5-118	1.76	21	
Total TPH C6-C28	354	10.0	mg/kg	400		88.5	77.6-123	1.40	18.5	
Surrogate: 1-Chlorooctane	44.8		mg/kg	50.0		89.7	48.2-134			
Surrogate: 1-Chlorooctadecane	42.2		mg/kg	50.0		84.3	49.1-148			

**Batch 3121922 - General Prep - Organics**

<b>Blank (3121922-BLK1)</b>		Prepared: 19-Dec-23 Analyzed: 20-Dec-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.6		mg/kg	50.0		79.3	48.2-134			
Surrogate: 1-Chlorooctadecane	46.4		mg/kg	50.0		92.8	49.1-148			

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS FED 17-3H BATTERY Project Number: 237676 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Dec-23 11:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3121922 - General Prep - Organics**

**LCS (3121922-BS1)**

Prepared: 19-Dec-23 Analyzed: 20-Dec-23

GRO C6-C10	191	10.0	mg/kg	200		95.5	66.4-123			
DRO >C10-C28	186	10.0	mg/kg	200		92.8	66.5-118			
Total TPH C6-C28	377	10.0	mg/kg	400		94.1	77.6-123			
Surrogate: 1-Chlorooctane	40.7		mg/kg	50.0		81.5	48.2-134			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.1	49.1-148			

**LCS Dup (3121922-BS1)**

Prepared: 19-Dec-23 Analyzed: 20-Dec-23

GRO C6-C10	190	10.0	mg/kg	200		95.0	66.4-123	0.539	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	66.5-118	4.66	21	
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	77.6-123	2.06	18.5	
Surrogate: 1-Chlorooctane	41.8		mg/kg	50.0		83.5	48.2-134			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.1	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: NTN Environmental  
 Project Manager: Ethan Seaburn  
 Address: 209 W McKay St.  
 City: Carlsbad State: NM zip: 88220  
 Phone #: (432) 701-2159 Fax #: \_\_\_\_\_  
 Project #: 2371076 Project Owner: \_\_\_\_\_  
 Project Name: SITUS 17 Fed 3 Battery  
 Project Location: Eddy Co. NM  
 Sampler Name: Jill Shaffer  
 P.O. #: 21205968  
 Company: Devon  
 Attn: Dale Woodall  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H236732</u>	<u>CS-6</u>	<u>C</u>	<u>1</u>							<u>12-19-23</u>	<u>9:30</u>	<u>BTEX</u>
	<u>SW-10</u>	<u>C</u>	<u>1</u>								<u>9:35</u>	<u>TPH</u>
	<u>SW-4A</u>	<u>C</u>	<u>1</u>								<u>9:40</u>	<u>Chloride</u>
	<u>CS-3</u>	<u>C</u>	<u>1</u>								<u>9:45</u>	
	<u>SW-8</u>	<u>C</u>	<u>1</u>								<u>9:50</u>	
	<u>SW-9</u>	<u>C</u>	<u>1</u>								<u>9:55</u>	
	<u>SW-6A</u>	<u>C</u>	<u>1</u>								<u>9:59</u>	

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Relinquished By: [Signature] Date: 12-19-23 Time: 11:19  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

Delivered By: (Circle One) UPS Observed Temp. °C 48 Sample Condition  Intact  Cool  Yes  No  
 Corrected Temp. °C \_\_\_\_\_  
 Checked By: [Signature]  
 Turnaround Time: Standard  Rush   
 Thermometer ID #140 24765 Bacteria (only)  Cool  Intact  Yes  No  
 Correction Factor 0°C  No  Yes  No Corrected Temp. °C \_\_\_\_\_

REMARKS: \* Customer requested ID changes to 12/21/23



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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January 10, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/08/24 11:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/08/2024	Sampling Date:	01/08/2024
Reported:	01/10/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 5 4' (H240064-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.01	101	2.00	9.36	
Toluene*	<0.050	0.050	01/08/2024	ND	1.98	99.1	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.07	103	2.00	12.1	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.13	102	6.00	12.5	
Total BTEX	<0.300	0.300	01/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28000	16.0	01/08/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/08/2024	Sampling Date:	01/08/2024
Reported:	01/10/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 4 B 3-6' (H240064-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.01	101	2.00	9.36	
Toluene*	<0.050	0.050	01/08/2024	ND	1.98	99.1	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.07	103	2.00	12.1	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.13	102	6.00	12.5	
Total BTEX	<0.300	0.300	01/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	01/08/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/08/2024	Sampling Date:	01/08/2024
Reported:	01/10/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 6 B 0-4' (H240064-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.01	101	2.00	9.36	
Toluene*	<0.050	0.050	01/08/2024	ND	1.98	99.1	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.07	103	2.00	12.1	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.13	102	6.00	12.5	
Total BTEX	<0.300	0.300	01/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/08/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/08/2024	Sampling Date:	01/08/2024
Reported:	01/10/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 11 0-4' (H240064-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.01	101	2.00	9.36	
Toluene*	<0.050	0.050	01/08/2024	ND	1.98	99.1	2.00	12.7	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.07	103	2.00	12.1	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.13	102	6.00	12.5	
Total BTEX	<0.300	0.300	01/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	01/08/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 18240064

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Wesley.Matthews@dvn.com

Program:	UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Superfund
State of Project:	Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> P-ST/UST	<input type="checkbox"/> TRRP	<input type="checkbox"/> Level IV
Deliverables:	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:

Project Name:	Sirius 17 Fed 3 Battery		Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	237676		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	48hr		
Project Location:	Eddy Co. NM		Due Date:			
Sampler's Name:	Jillian Smiley		TAT starts the day received by the lab, if received by 4:30pm			
PO #:	21205968		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Well Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Received Intact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	140	Correction Factor:	2.92	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:		Corrected Temperature:	4	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Total Containers:	Parameters					

Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-5	4'	1/8/2024		X		Comp	1	X	X	X	
SW-4B	3-6'	1/8/2024		X		Comp	1	X	X	X	
SW-6B	0-4'	1/8/2024		X		Comp	1	X	X	X	
SW-11	0-4'	1/8/2024		X		Comp	1	X	X	X	

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1824 1111			

Revised Date: 05/11/2020 Rev: 2020.1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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January 18, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIRIUS FED 17-3H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/17/24 10:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 5 6' (H240192-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	211	105	200	2.50		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	201	100	200	2.00		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 7 6' (H240192-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	211	105	200	2.50		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	201	100	200	2.00		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 10 A 4-6' (H240192-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	211	105	200	2.50		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	201	100	200	2.00		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 11 A 0-6' (H240192-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	211	105	200	2.50		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	201	100	200	2.00		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 12 3-6' (H240192-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	SIRIUS FED 17-3H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	237676	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 13 0-6' (H240192-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.11		
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.15	107	2.00	2.90		
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.36	106	6.00	2.80		
Total BTEX	<0.300	0.300	01/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918		
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*             Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>VTGE</b> Project Manager: <b>Phan Sessoms</b> Address: <b>209 W McKay Street</b> City: <b>Corisbad</b> State: <b>NM</b> zip: <b>88320</b> Phone #: <b>354-266-5456</b> Fax #: <b>88320</b> Project #: <b>237676</b> Project Owner: <b>Devon</b> Project Name: <b>Sinus 17 Fed 3 Battery</b> Project Location: <b>Eddy Co, NM</b> Sampler Name: <b>Kenny Khan</b>		<b>BILL TO</b> P.O. #: <b>21205968</b> Company: <b>Devon</b> Attn: <b>Dale Wurdak</b> Address: City: State: Zip:	
FOR LAB USE ONLY Lab I.D.: <b>H240192</b> Sample I.D.:		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
PREPARED BY: <b>[Signature]</b> DATE: <b>1/17/24</b> TIME: <b>9:30</b>		SAMPLING DATE: <b>1/17/24</b> TIME: <b>9:30</b>	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PREPARED BY	SAMPLING	ANALYSIS REQUEST
1	CS-5	G	1	X		9:30	BTEX
2	CS-7	G	1			9:31	TPH
3	SW-10A	G	1			9:32	Chloride
4	SW-11A	G	1			9:33	
5	SW-12	G	1			9:34	
6	SW-13	G	1			9:35	

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Relinquished By: **[Signature]** Date: **1/17/24** Time: **10:52**

Received By: **[Signature]** Date: **1/17/24** Time: **10:52**

Delivered By: (Circle One) Observed Temp. °C: **21** Corrected Temp. °C: **21**

Sampler - UPS - Bus - Other:  UPS  Bus  Other

Sample Condition:  Cool  Intact  Yes  No

Checked By: **[Signature]**

Turnaround Time: **Standard**  **Rush**  **24hr**

Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition:  Cool  Intact  Yes  No

Observed Temp. °C: **24.5** Corrected Temp. °C: **24.5**

Vertical Result:  Yes  No Add'l Phone #:

REMARKS: **† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 01, 2024

ETHAN SESSUMS  
NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND, TX 79706

RE: SIRIUS 17

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B      Total Coliform and E. coli (Colilert MMO-MUG)  
Method EPA 524.2      Regulated VOCs and Total Trihalomethanes (TTHM)  
Method EPA 552.2      Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VD - 1 (0 - 1')	H240432-01	Soil	31-Jan-24 09:00	31-Jan-24 11:55
VD - 1 (1 - 2')	H240432-02	Soil	31-Jan-24 09:00	31-Jan-24 11:55
VD - 1 (2 - 3')	H240432-03	Soil	31-Jan-24 09:00	31-Jan-24 11:55

02/01/24 - Client changed all the sample IDs (see COC). This is the revised report and will replace the one sent earlier today, 02/01/24.

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
--	--	------------------------------

**VD - 1 (0 - 1')  
H240432-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	4013115	AC	31-Jan-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4013109	JH	31-Jan-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %		71.5-134	4013109	JH	31-Jan-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.3 %		48.2-134	4013112	MS	31-Jan-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.4 %		49.1-148	4013112	MS	31-Jan-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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**VD - 1 (1 - 2')  
H240432-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>800</b>		16.0	mg/kg	4	4013115	AC	31-Jan-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4013109	JH	31-Jan-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		4013109	JH	31-Jan-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	48.2-134		4013112	MS	31-Jan-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.3 %	49.1-148		4013112	MS	31-Jan-24	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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**VD - 1 (2 - 3')  
H240432-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>560</b>		16.0	mg/kg	4	4013115	AC	31-Jan-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4013109	JH	31-Jan-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4013109	JH	31-Jan-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4013109	JH	31-Jan-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4013112	MS	31-Jan-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.1 %	48.2-134		4013112	MS	31-Jan-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.6 %	49.1-148		4013112	MS	31-Jan-24	8015B	
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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4013115 - 1:4 DI Water</b>										
<b>Blank (4013115-BLK1)</b>										
Prepared & Analyzed: 31-Jan-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4013115-BS1)</b>										
Prepared & Analyzed: 31-Jan-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4013115-BSD1)</b>										
Prepared & Analyzed: 31-Jan-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4013109 - Volatiles**

**Blank (4013109-BLK1)**

Prepared & Analyzed: 31-Jan-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500		111	71.5-134			

**LCS (4013109-BS1)**

Prepared & Analyzed: 31-Jan-24

Benzene	2.01	0.050	mg/kg	2.00		100	82.8-130			
Toluene	2.05	0.050	mg/kg	2.00		103	86-128			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128			
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.12	0.150	mg/kg	6.00		102	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0533		mg/kg	0.0500		107	71.5-134			

**LCS Dup (4013109-BSD1)**

Prepared & Analyzed: 31-Jan-24

Benzene	2.07	0.050	mg/kg	2.00		104	82.8-130	3.17	15.8	
Toluene	2.10	0.050	mg/kg	2.00		105	86-128	2.40	15.9	
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	85.9-128	2.99	16	
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89-129	2.16	16.2	
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125	2.56	16.7	
Total Xylenes	6.26	0.150	mg/kg	6.00		104	88.2-128	2.29	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			

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**Analytical Results For:**

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: SIRIUS 17 Project Number: NOT GIVEN Project Manager: ETHAN SESSUMS Fax To:	Reported: 01-Feb-24 16:56
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4013112 - General Prep - Organics**

<b>Blank (4013112-BLK1)</b>		Prepared & Analyzed: 31-Jan-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	50.9		mg/kg	50.0		102	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	48.4		mg/kg	50.0		96.8	49.1-148			
<b>LCS (4013112-BS1)</b>		Prepared & Analyzed: 31-Jan-24								
GRO C6-C10	195	10.0	mg/kg	200		97.7	66.4-123			
DRO >C10-C28	194	10.0	mg/kg	200		96.9	66.5-118			
Total TPH C6-C28	389	10.0	mg/kg	400		97.3	77.6-123			
<i>Surrogate: 1-Chlorooctane</i>	55.5		mg/kg	50.0		111	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	56.8		mg/kg	50.0		114	49.1-148			
<b>LCS Dup (4013112-BSD1)</b>		Prepared & Analyzed: 31-Jan-24								
GRO C6-C10	198	10.0	mg/kg	200		99.2	66.4-123	1.50	17.7	
DRO >C10-C28	195	10.0	mg/kg	200		97.7	66.5-118	0.873	21	
Total TPH C6-C28	394	10.0	mg/kg	400		98.4	77.6-123	1.19	18.5	
<i>Surrogate: 1-Chlorooctane</i>	57.2		mg/kg	50.0		114	48.2-134			
<i>Surrogate: 1-Chlorooctadecane</i>	57.8		mg/kg	50.0		116	49.1-148			

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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: N-TAGE  
 Project Manager: Ethan Sessions  
 Address: 209 W McElroy  
 City: Carlsbad State: NM Zip: 88200  
 Phone #: 505-268-8956 Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Debra  
 Project Name: SINUS 17  
 Project Location: Lee County  
 Sampler Name: Tiller Hunball  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.			
<u>4240438</u>	<u>VP-1 (10-10-11) 1</u> <u>VP-1 (1-1-11) 1</u> <u>VP-1 (2-2-11) 1</u>	<u>C</u>				<u>X</u>	<u>X</u>				<u>1-31</u>	<u>9:00</u>	<u>TPH</u> <u>Chlorides</u> <u>BTEX</u>

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Relinquished By: [Signature] Date: 1-31 Time: 1:55  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 36.0 Sample Condition  Intact  Cool  Yes  No  
 Corrected Temp. °C #140 Checked By: [Signature] (Initials)

Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only) Sample Condition  Cool  Intact  Yes  No  
 Thermometer ID #140 Correction Factor 0°C [Signature] Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

REMARKS: \* Customer requested Sample Duplication. 40. 2/1/24

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**District III**  
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 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
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 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**

QUESTIONS

Action 324719

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 324719 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
---	--

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2321431668
Incident Name	NAPP2321431668 SIRIUS 17 FED 3H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2130628720] SIRIUS 17 CTB 3

**Location of Release Source**

*Please answer all the questions in this group.*

Site Name	SIRIUS 17 FED 3H BATTERY
Date Release Discovered	08/01/2023
Surface Owner	Federal

**Incident Details**

*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Transfer pump discharge line failed. Sprayed produced water from a pinhole. Line was clamped to stop the leak. 0.21 bbls released. A small portion of the release went offsite. 0 bbls recovered as all fluids soaked in.

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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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QUESTIONS, Page 2

Action 324719

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>More info needed to determine if this will be treated as a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	no fluids were recovered. all fluids soaked into the ground

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/19/2024
--	--

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 324719

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

**Site Characterization**  
*Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

*Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	15400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10
GRO+DRO (EPA SW-846 Method 8015M)	10
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

*Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.*

On what estimated date will the remediation commence	12/11/2023
On what date will (or did) the final sampling or liner inspection occur	01/31/2024
On what date will (or was) the remediation complete(d)	01/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	1100
What is the estimated volume (in cubic yards) that will be reclaimed	245
What is the estimated surface area (in square feet) that will be remediated	1100
What is the estimated volume (in cubic yards) that will be remediated	245

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

**District I**  
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QUESTIONS, Page 4

Action 324719

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 03/19/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 324719

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area is surrounded by transfer pumps and flow lines.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	275
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	31
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	SIRIUS 17 CTB 3 [fAPP2130628720]
Enter the well API (30-) on which this deferral should be granted	30-015-38481 SIRIUS 17 FEDERAL COM #003H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@div.com Date: 03/19/2024

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Action 324719

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>303017</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>01/17/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>5</b>
What was the sampling surface area in square feet	<b>600</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	<b>No</b>
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CONDITIONS

Action 324719

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324719
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**CONDITIONS**

Created By	Condition	Condition Date
crystal.walker	Deferral Request Approved. This deferral request indicates H-4 and SW-7 confirm the presence of TPH and chloride containing soils that do not allow the excavation to be expanded horizontally due to the presence of facility infrastructure. Approximately 31 cubic yards of TPH and chloride impacted soil will remain in place until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first. VD-1 requires horizontal delineation at the time of facility reconstruction or when the well or facility is plugged or abandoned, whichever comes first. Horizontal delineation must meet the requirement of the reclamation standards 19.15.29.13 NMAC (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg Benzene) or OCD approved "background" values for the upper 4 feet of the impacted area.	5/6/2024
crystal.walker	Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	5/6/2024