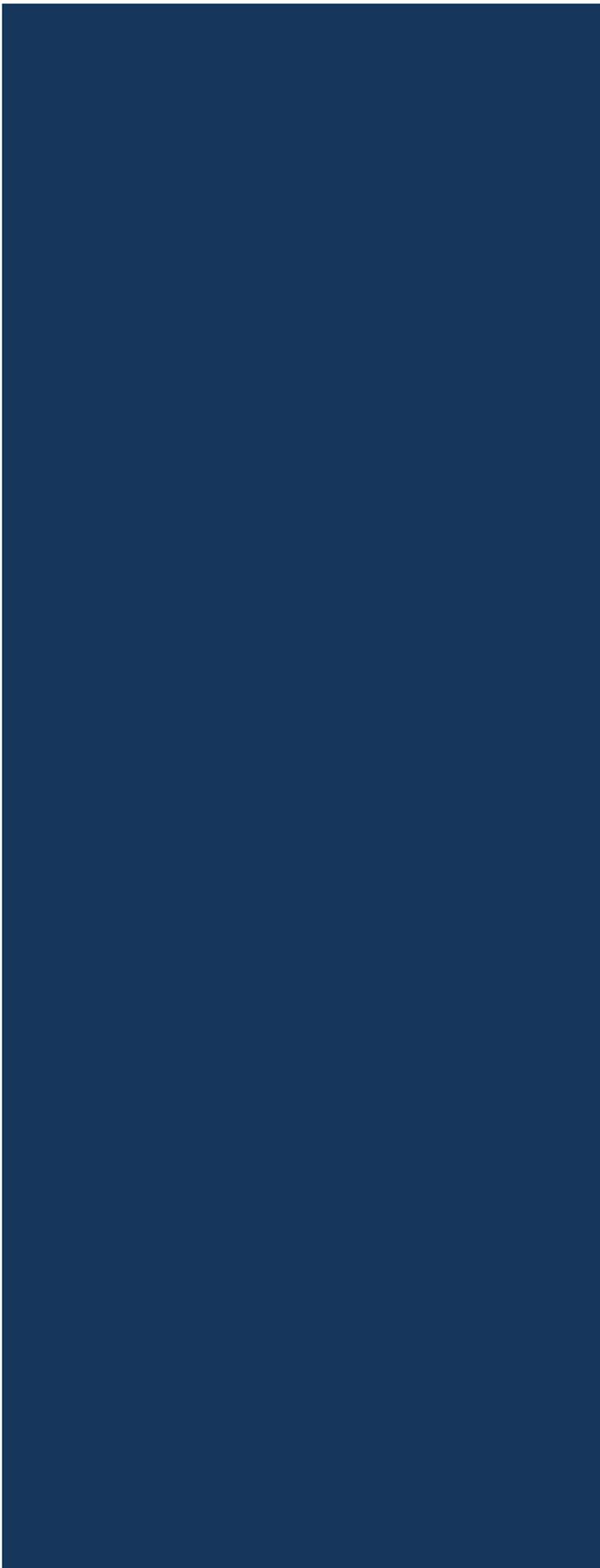


<b>Spill Volume(Bbls) Calculator</b>		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
100.000	50.000	3.500
Cubic Feet Impacted		1458.333
Barrels		259.72
Soil Type		Clay
Bbls Assuming 100% Saturation		25.97
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		26.00000

<b>Instructions</b>
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

<b>Measurements</b>	
Length (ft)	100
Width (ft)	50
Depth (in)	3.500







## Remediation Summary & Soil Closure Request

**Spur Energy Partners, LLC**

**Blalock 32 State Com Tank Battery**

Eddy County, New Mexico

Unit Letter G, Section 31, Township 17 South, Range 28 East

Latitude 32.792575 North, Longitude 104.210911 West

**NMOCD Reference No. nAPP2310834343**

Prepared By:

**Etech Environmental & Safety Solutions, Inc.**

2617 W. Marland

Hobbs, New Mexico 88240



Robbie Runnels



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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- Appendix B - Field Data and Soil Profile Logs
- Appendix C - Laboratory Analytical Reports
- Appendix D - Photographic Log
- Appendix E - C-141 Supplement Addendum

### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Spur Energy Partners, LLC, has prepared this *Remediation Summary and Soil Closure Request* for the release site known as the Blalock 32 State Com Tank Battery (henceforth, "Site"). Details of the release are summarized below:

#### Location of Release Source

Latitude: 32.792575 Longitude: -104.210911  
 Provided GPS are in WGS84 format.

Site Name: Blalock 32 State Com Tank Battery	Site Type: Tank Battery
Date Release Discovered: 4/18/2023	API # (if applicable): N/A

Unit Letter	Section	Township	Range	County
G	31	17S	28E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name HEARST PROPERTIES INC)

#### Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 26	Volume Recovered (bbls) 20
<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 checked="" type="checkbox"/> N/A
<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	Volume/Weight Recovered

Cause of Release:  
 Driver fell asleep while loading releasing oil onto the location pad.

#### Initial Response

- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

	~100 Feet	
What is the shallowest depth to groundwater beneath the area affected by the release?		
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5.

## 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
~100 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	-	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

† Table 1, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

## 4.0 REMEDIATION ACTIVITIES SUMMARY

On April 24, 2023, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores and/or test trenches were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores and/or test trenches were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of volatile organic compounds utilizing a visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab® chloride test kit. Field data is provided in Appendix B.

Based on field observations and field test data, twelve (12) delineation soil samples (EH 1 @ 0', EH 1 @ 1', NH 1 @ 0', NH1 @ 1', SH 1B @ 0', SH 1 @ 1', TT 1 @ 0', TT 1 @ 4', TT 2 @ 0', TT 2 @ 3', TT 3 @ 0', and TT 3 @ 3') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond three (3) feet below ground surface (bgs) in the areas represented by test trenches TT2 and TT3, and beyond four (4) feet bgs in the area characterized by test trench TT1. The horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. Soil chemistry data is provided in Table 1. Laboratory analytical reports are provided in Appendix C.

On June 12, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria.

On June 13, 2023, Etech collected eight (8) confirmation soil samples (FL 1 @ 2', FL 2 @ 2', FL 3 @ 2', FL 4 @ 3', FL 5 @ 3', FL 6 @ 2.5', NW 1, and WW 1). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of samples FL 5 @ 3', NW1, and WW1, which had TPH concentrations ranging from 140 mg/kg in sample FL 5 @ 3' to 663 mg/kg in sample WW1.

On June 14, 2023, Etech collected five (5) confirmation soil samples (FL 7 @ 2.5', FL 8 @ 2.5', FL 9 @ 2.5', FL 10 @ 3', and FL 11 @ 2.5'). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

On June 15, 2023, Etech collected sixteen (16) confirmation soil samples (FL 12 @ 2.5', FL 13 @ 2.5', FL 14 @ 2.5', FL 15 @ 2.5', FL 16 @ 2.5', FL 17 @ 3', FL 18 @ 3', FL 19 @ 3', FL 20 @ 2.5', FL 21 @ 3', FL 22 @ 3', FL 23 @ 3', FL 24 @ 3', FL 25 @ 3', EW 2, and WW 2). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of samples FL 12 @ 2.5', FL 14 @ 2.5', FL 17 @ 3', FL 21 @ 3', FL 22 @ 3', FL 23 @ 3', FL 24 @ 3', FL 25 @ 3', EW 2, and WW 2, which had TPH concentrations ranging from 152 mg/kg in sample FL 23 @ 3' to 2,160 mg/kg in sample FL 12 @ 2.5'.

On June 16, 2023, Etech collected fifteen (15) confirmation soil samples (FL 26 @ 3', FL 27 @ 3', FL 28 @ 3', FL 29 @ 3', FL 30 @ 3', FL 31 @ 3', FL 32 @ 3', FL 33 @ 3', FL 34 @ 3', FL 35 @ 3', FL 36 @ 3', FL 37 @ 3', FL 38 @ 3', EW 1, and SW 1). The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of samples FL 28 @ 3', FL 29 @ 3', FL 30 @ 3', FL 31 @ 3', and EW 1, which had TPH concentrations ranging from 101 mg/kg

in sample FL 29 @ 3' to 227 mg/kg in sample EW 1.

On June 19, 2023, excavation activities resumed at the Site. Impacted soil in the areas characterized by sample points FL 5 @ 3', FL 12 @ 2.5', FL 14 @ 2.5', FL 17 @ 3', FL 21 @ 3', FL 22 @ 3', FL 23 @ 3', FL 24 @ 3', FL 25 @ 3', EW2, NW1, WW1, and WW2 was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil, Etech collected thirteen (13) additional confirmation soil samples (FL 5 @ 3.5', FL 12 @ 3', FL 14 @ 3', FL 17 @ 3.5', FL 21 @ 3.5', FL 22 @ 3.5', FL 23 @ 3.5', FL 24 @ 3.5', FL 25 @ 3.5', EW2B, NW1B, WW1B, and WW2B) and submitted them to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

On June 20, 2023, impacted soil in the areas characterized by sample points FL 28 @ 3', FL 29 @ 3', FL 30 @ 3', FL 31 @ 3', and EW1 was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil, Etech collected five (5) additional confirmation soil samples (FL 28 @ 3.5', FL 29 @ 3.5', FL 30 @ 3.5', FL 31 @ 3.5', and EW1B) and submitted them to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

A site and sample location map is provided as Figure 3. Soil chemistry data is provided in Table 1. Field data is provided in Appendix B. Laboratory analytical reports are provided as Appendix C. A photographic log of excavation activities is provided as Appendix D.

The final dimensions of the excavated area were approximately 135 feet in length, and ranged from 40 to 95 feet in width and 2 to 3.5 feet in depth. During the course of remediation activities, approximately 900 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

## **5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with approximately 880 cubic yards of locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. As the release was limited to the production pad, no reseeding is needed.

## **6.0 SOIL CLOSURE REQUEST**

Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Spur Energy Partners, LLC, provide copies of this *Remediation Summary and Soil Closure Request* to the appropriate agencies and request closure be granted to the Blalock 32 State Com Tank Battery site.

## **7.0 LIMITATIONS**

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

This report has been prepared for the benefit of Spur Energy Partners, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Spur Energy Partners, LLC.

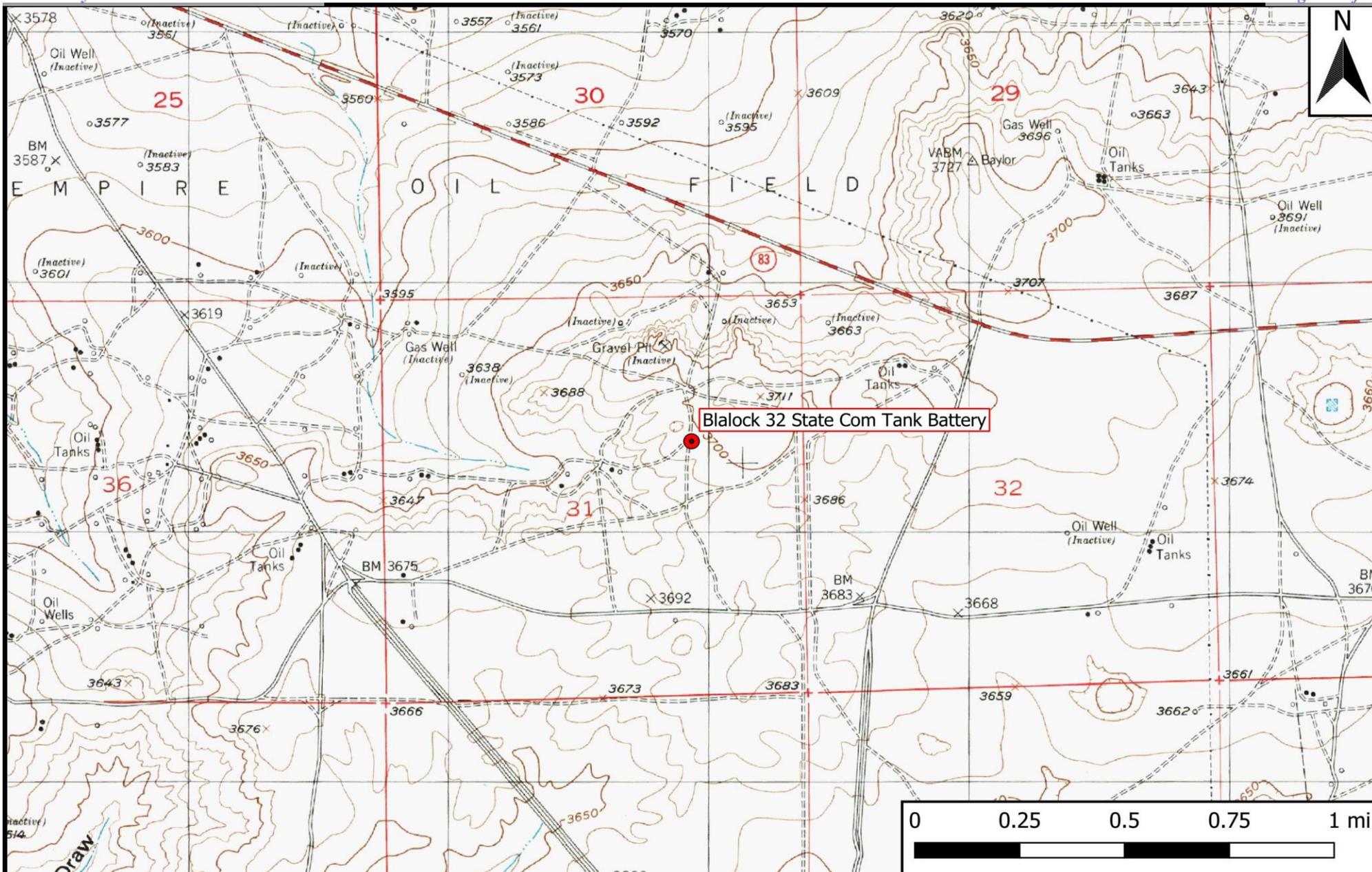
## **8.0 DISTRIBUTION**

*Spur Energy Partners, LLC  
9655 Katy Freeway  
Suite 500  
Houston, TX 77024*

*New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, NM 88210*

*(Electronic Submission)*

# Figure 1 Topographic Map



**Legend**

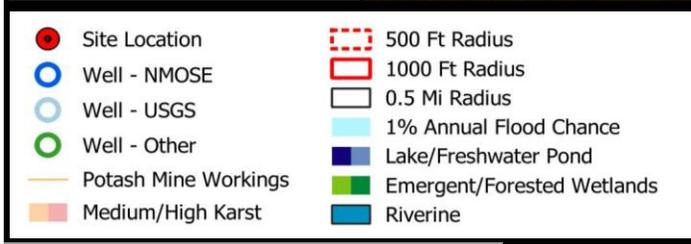
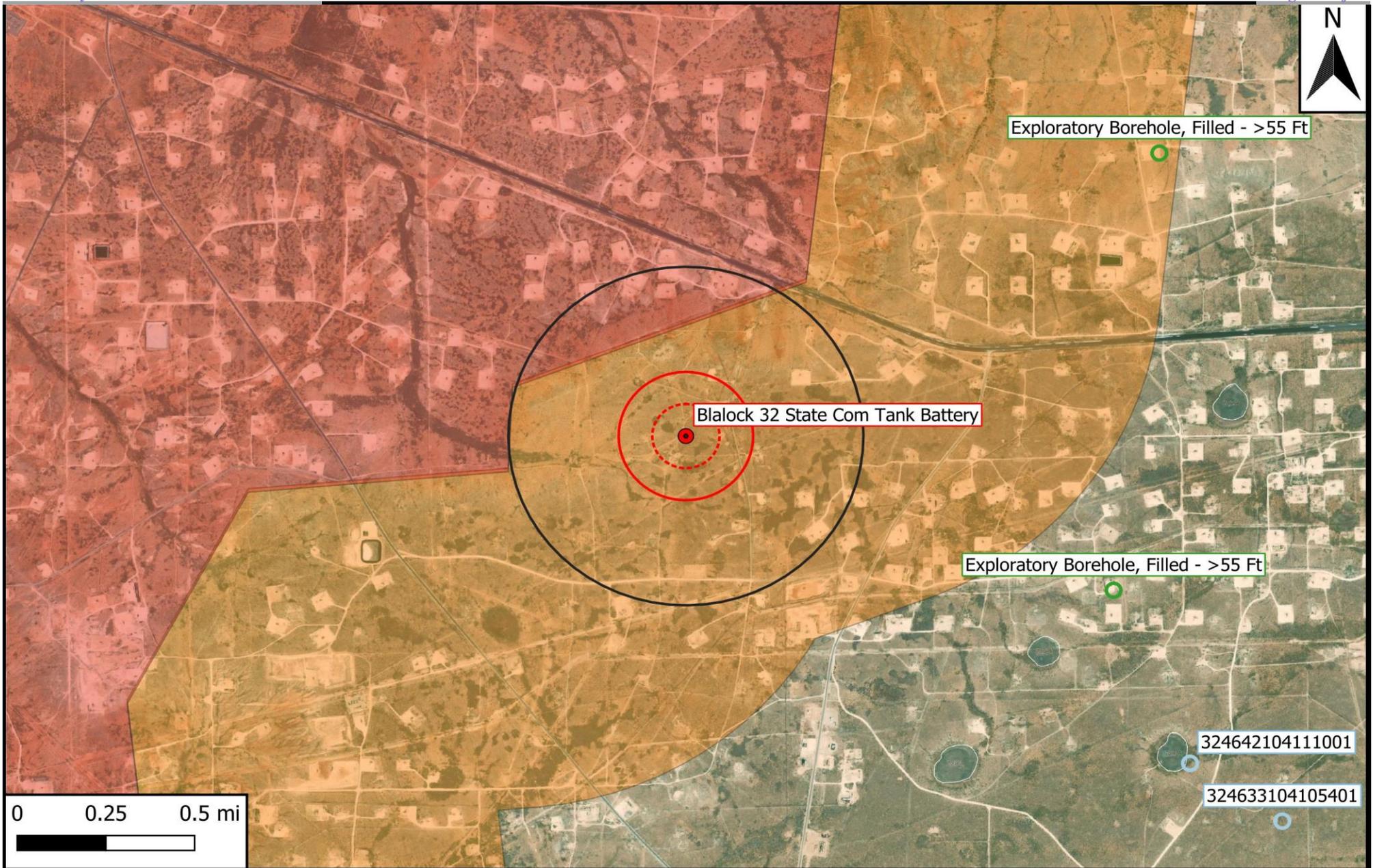
- Site Location

**Figure 1**  
 Topographic Map  
 Spur Energy Partners, LLC  
 Blalock 32 State Com Tank Battery  
 GPS: 32.792575, -104.210911  
 Eddy County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag    Checked: jwl    Date: 4/20/23

## Figure 2 Aerial Proximity Map



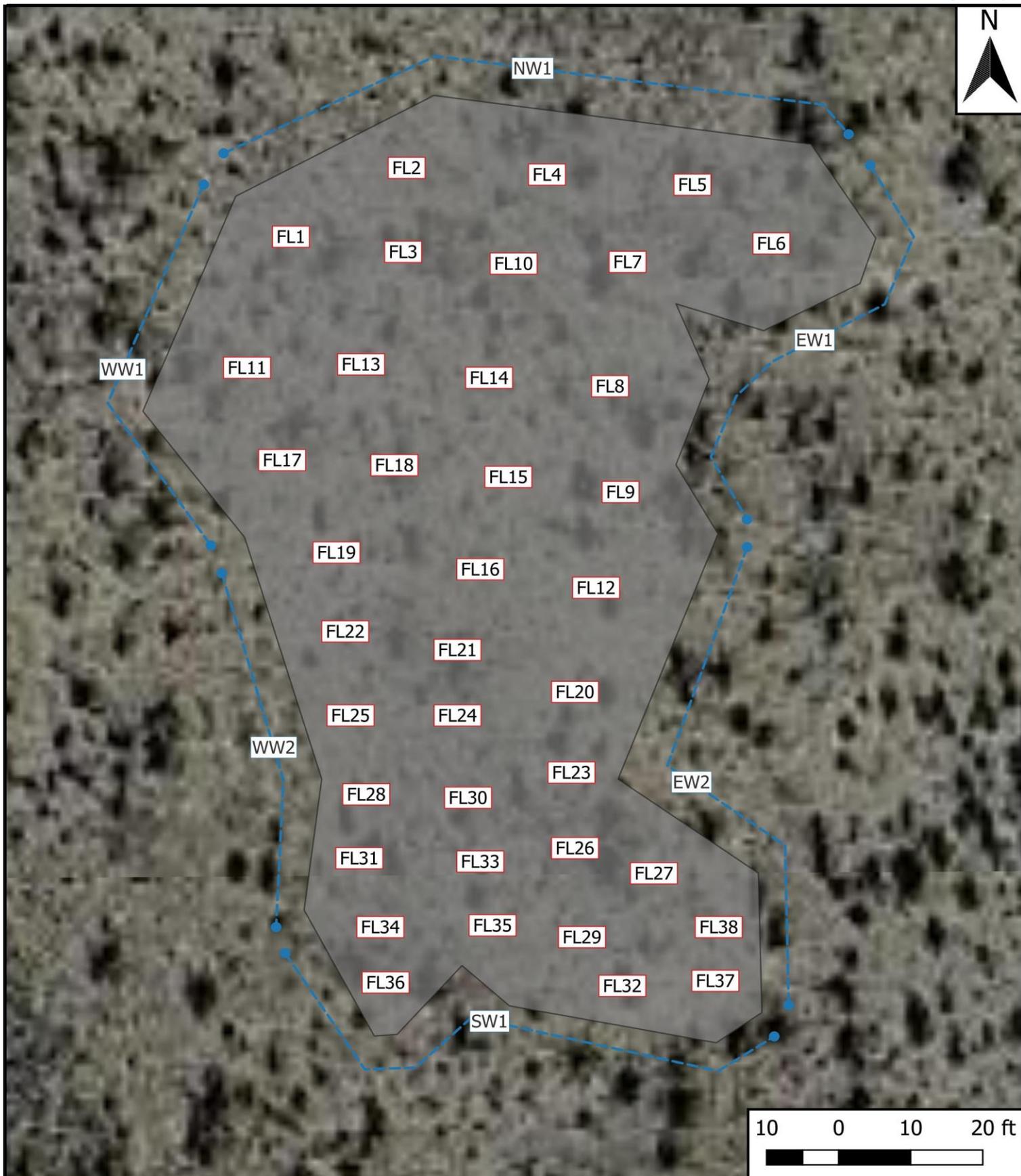
**Figure 2**  
 Aerial Proximity Map  
 Spur Energy Partners, LLC  
 Blalock 32 State Com Tank Battery  
 GPS: 32.792575, -104.210911  
 Eddy County


  
**Environmental & Safety Solutions, Inc.**

Drafted: mag      Checked: jwl      Date: 4/20/23

## **Figure 3**

### **Site and Sample Location Map**



Legend

- Floor Sample
- Wall Sample
- Excavation

Figure 3

Site and Sample Location Map  
 Spur Energy Partners, LLC  
 Blalock 32 State Com Tank Battery  
 GPS: 32.792575, -104.210911  
 Eddy County



Drafted: mag  
 Checked: zc  
 Date: 7/6/23

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Blalock 32 State Com Tank Battery**  
**NMOCD Ref. #: nAPP2310834343**

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
<b>Delineation Sample Results</b>											
EH 1 @ 0'	4/24/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ 1'	4/24/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH 1 @ 0'	4/24/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NH1 @ 1'	4/24/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SH 1B @ 0'	4/24/2023	0	In-Situ	<0.050	0.450	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH 1 @ 1'	4/24/2023	1	In-Situ	<0.050	0.497	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
TT 1 @ 0'	4/24/2023	0	Excavated	<b>75.0</b>	<b>1,210</b>	10,100	40,900	51,000	6,730	<b>57,700</b>	336
TT 1 @ 4'	4/24/2023	4	In-Situ	0.219	1.34	<10.0	26.2	26.2	<10.0	26.2	32.0
TT 2 @ 0'	4/24/2023	0	Excavated	<b>66.2</b>	<b>1,260</b>	8,270	18,400	26,700	2,760	<b>29,400</b>	272
TT 2 @ 3'	4/24/2023	3	In-Situ	<0.050	0.499	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
TT 3 @ 0'	4/24/2023	0	Excavated	<b>85.5</b>	<b>1,420</b>	10,200	27,900	38,100	4,430	<b>42,500</b>	224
TT 3 @ 3'	4/24/2023	3	In-Situ	<0.050	0.616	<10.0	<10.0	<20.0	<10.0	<30.0	176
<b>Confirmation Sample Results</b>											
FL 1 @ 2'	6/13/2023	2	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 2 @ 2'	6/13/2023	2	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 3 @ 2'	6/13/2023	2	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 4 @ 3'	6/13/2023	3	In-Situ	<0.025	<0.150	<10.0	13.7	13.7	<10.0	13.7	64.0
FL 5 @ 3'	6/13/2023	3	Excavated	<0.025	<0.150	<10.0	121	121	19.4	<b>140</b>	80.0
FL 5 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 6 @ 2.5'	6/13/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 7 @ 2.5'	6/14/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	20.2	<10.0	20.2	128
FL 8 @ 2.5'	6/14/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 9 @ 2.5'	6/14/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 10 @ 3'	6/14/2023	3	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 11 @ 2.5'	6/14/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 12 @ 2.5'	6/15/2023	2.5	Excavated	<0.025	0.588	28.2	1,740	1,770	390	<b>2,160</b>	144
FL 12 @ 3'	6/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 13 @ 2.5'	6/15/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 14 @ 2.5'	6/15/2023	2.5	Excavated	<0.025	0.161	<10.0	574	574	123	<b>697</b>	80.0
FL 14 @ 3'	6/19/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 15 @ 2.5'	6/15/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 16 @ 2.5'	6/15/2023	2.5	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 17 @ 3'	6/15/2023	3	Excavated	<0.025	<0.150	<10.0	306	306	74.3	<b>380</b>	80.0
FL 17 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 18 @ 3'	6/15/2023	3	In-Situ	<0.025	<0.150	<10.0	30.2	30.2	<10.0	30.2	64.0
FL 19 @ 3'	6/15/2023	3	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 20 @ 2.5'	6/15/2023	2.5	In-Situ	<0.025	<0.150	<10.0	38.2	38.2	<10.0	38.2	160
FL 21 @ 3'	6/15/2023	3	Excavated	<0.025	<0.150	<10.0	367	367	69.9	<b>437</b>	96.0
FL 21 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 22 @ 3'	6/15/2023	3	Excavated	<0.025	<0.150	<10.0	555	555	128	<b>683</b>	96.0

Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.

**Red:** NMOCD Reclamation Standard exceedance.

<b>Table 1</b> <b>Concentrations of BTEX, TPH, and Chloride in Soil</b> <b>Spur Energy Partners, LLC</b> <b>Blalock 32 State Com Tank Battery</b> <b>NMOCD Ref. #: nAPP2310834343</b>											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 22 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 23 @ 3'	6/15/2023	3	Excavated	<0.025	<0.150	<10.0	135	135	16.9	152	112
FL 23 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 24 @ 3'	6/15/2023	3	Excavated	<0.025	0.482	15.6	573	589	80.4	669	112
FL 24 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 25 @ 3'	6/15/2023	3	Excavated	<0.025	<0.150	<10.0	176	176	27.2	203	80.0
FL 25 @ 3.5'	6/19/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 26 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 27 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	16.5	16.5	<10.0	16.5	160
FL 28 @ 3'	6/16/2023	3	Excavated	<0.050	<0.300	<10.0	108	108	18.4	126	128
FL 28 @ 3.5'	6/20/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 29 @ 3'	6/16/2023	3	Excavated	<0.050	<0.300	<10.0	83.3	83.3	17.4	101	160
FL 29 @ 3.5'	6/20/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 30 @ 3'	6/16/2023	3	Excavated	<0.050	<0.300	<10.0	102	102	18.4	120	64.0
FL 30 @ 3.5'	6/20/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 31 @ 3'	6/16/2023	3	Excavated	<0.050	<0.300	<10.0	128	128	25.3	153	96.0
FL 31 @ 3.5'	6/20/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 32 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 33 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	14.8	14.8	<10.0	14.8	160
FL 34 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	11.3	11.3	<10.0	11.3	176
FL 35 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 36 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 37 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	176
FL 38 @ 3'	6/16/2023	3	In-Situ	<0.050	<0.300	<10.0	11.9	11.9	<10.0	11.9	176
EW 1	6/16/2023	0-3.5	Excavated	<0.050	<0.300	53.8	140	194	33.6	227	464
EW1B	6/20/2023	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW 2	6/15/2023	0-3	Excavated	<0.025	<0.150	<10.0	223	223	46.9	270	144
EW2B	6/19/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 1	6/13/2023	0-3	Excavated	<0.025	<0.150	<10.0	148	148	25.4	173	80.0
NW1B	6/19/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 1	6/16/2023	0-3.5	In-Situ	<0.050	<0.300	<10.0	40.7	40.7	<10.0	40.7	128
WW 1	6/13/2023	0-3.5	Excavated	<0.025	<0.150	<10.0	547	547	116	663	48.0
WW1B	6/19/2023	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 2	6/15/2023	0-3.5	Excavated	<0.025	<0.150	10.1	678	688	140	828	80.0
WW2B	6/19/2023	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

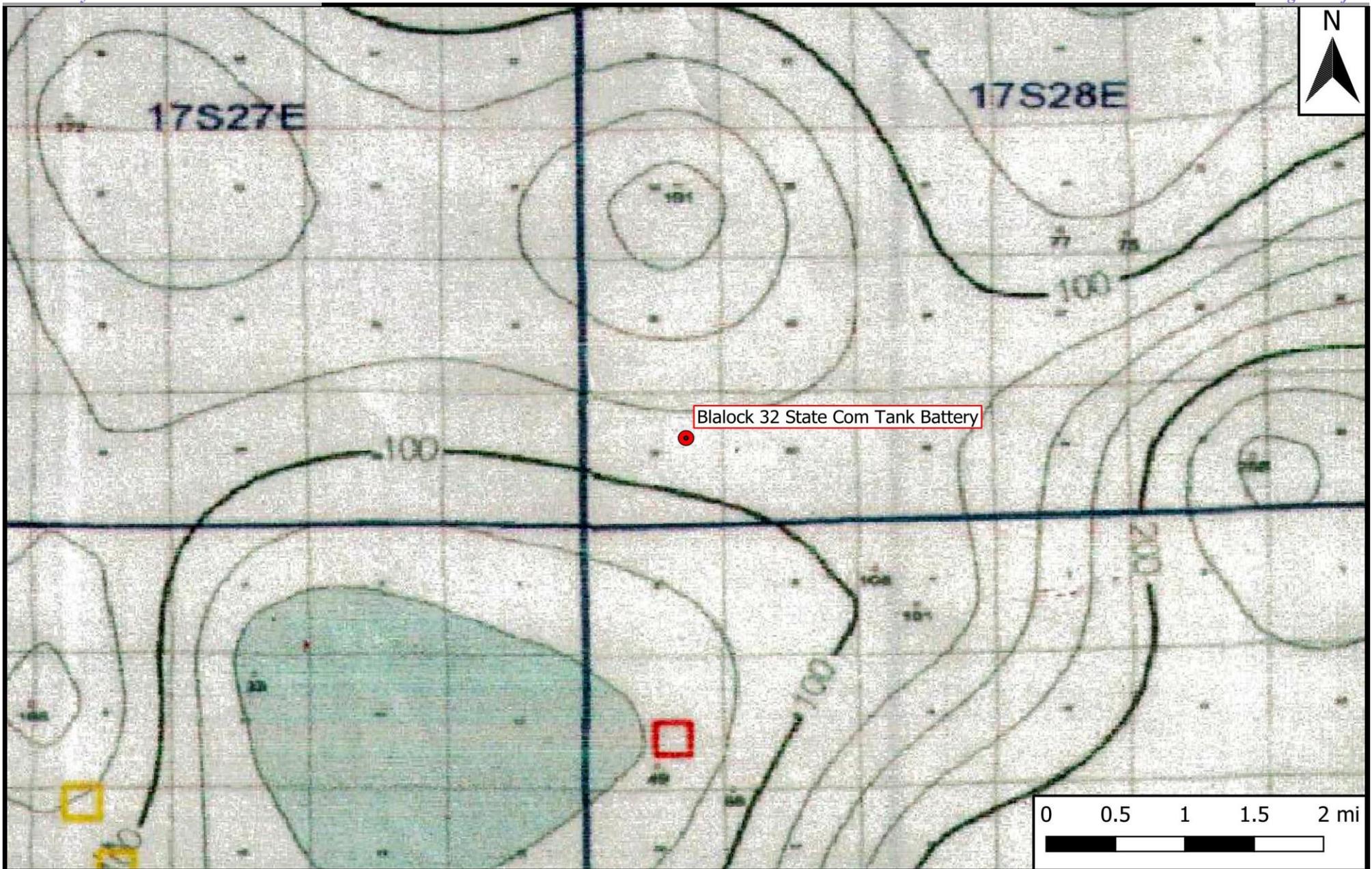
Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.

**Red:** NMOCD Reclamation Standard exceedance.

# Appendix A

## Depth to Groundwater Information



Legend

- Site Location

**Figure 4**  
 Inferred Depth to Groundwater Trend Map  
 Spur Energy Partners, LLC  
 Blalock 32 State Com Tank Battery  
 GPS: 32.792575, -104.210911  
 Eddy County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag    Checked: jwl    Date: 4/20/23



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec 24	Tw 17S	Rng 27E	X 572348	Y 3630969	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 12456 POD1</a>		RA	ED	1	4	4	24	17S	27E	572348	3630969	2852	220	92	128

Average Depth to Water: **92 feet**  
 Minimum Depth: **92 feet**  
 Maximum Depth: **92 feet**

**Record Count:** 1

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 573886.38      **Northing (Y):** 3628567.74      **Radius:** 3220

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/20/23 8:40 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)	(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
	RA 12456 POD1	1	4	4	24	17S	27E	572348	3630969

<b>Driller License:</b> 1058	<b>Driller Company:</b> KEY'S DRILLING & PUMP SERVICE	
<b>Driller Name:</b> DON KUEHN III		
<b>Drill Start Date:</b> 09/07/2016	<b>Drill Finish Date:</b> 09/09/2016	<b>Plug Date:</b>
<b>Log File Date:</b> 09/15/2016	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 10 GPM
<b>Casing Size:</b> 4.50	<b>Depth Well:</b> 220 feet	<b>Depth Water:</b> 92 feet

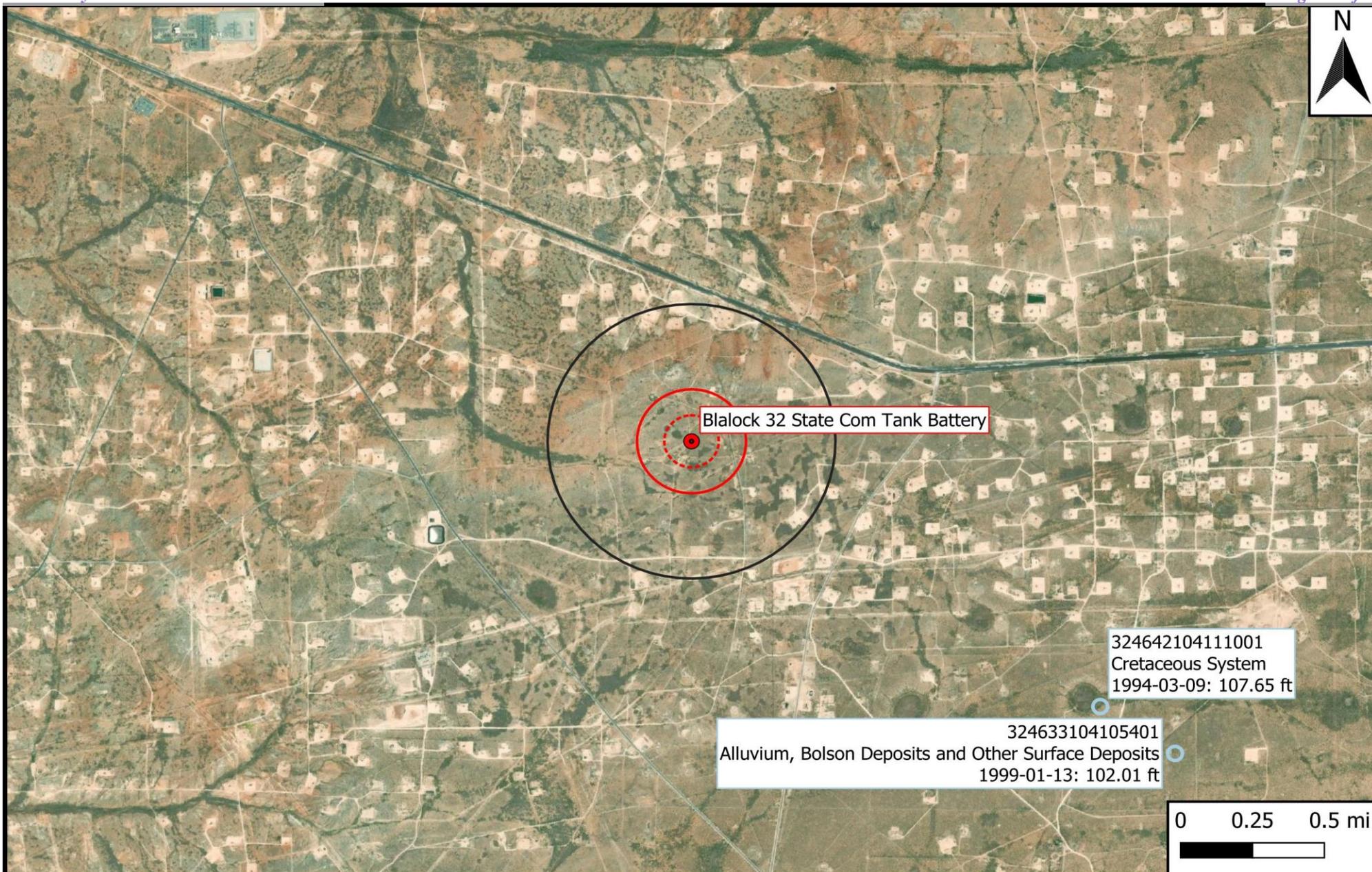
Water Bearing Stratifications:	Top	Bottom	Description
	90	110	Sandstone/Gravel/Conglomerate
	160	180	Shale/Mudstone/Siltstone
	180	200	Sandstone/Gravel/Conglomerate
	200	210	Sandstone/Gravel/Conglomerate
	210	220	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	200	220

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/20/23 8:40 AM

POINT OF DIVERSION SUMMARY



Legend	
	Site Location
	Well - USGS
	500 Ft Radius
	1000 Ft Radius
	0.5 Mi Radius

**Figure 5**  
 USGS Well Proximity Map  
 Spur Energy Partners, LLC  
 Blalock 32 State Com Tank Battery  
 GPS: 32.792575, -104.210911  
 Eddy County

**Environmental & Safety Solutions, Inc.**

Drafted: mag    Checked: jwl    Date: 4/20/23



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Agency code = usgs

site\_no list =

- 324633104105401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 324633104105401 18S.28E.04.32412

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°46'33", Longitude 104°10'54" NAD27

Land-surface elevation 3,665 feet above NAVD88

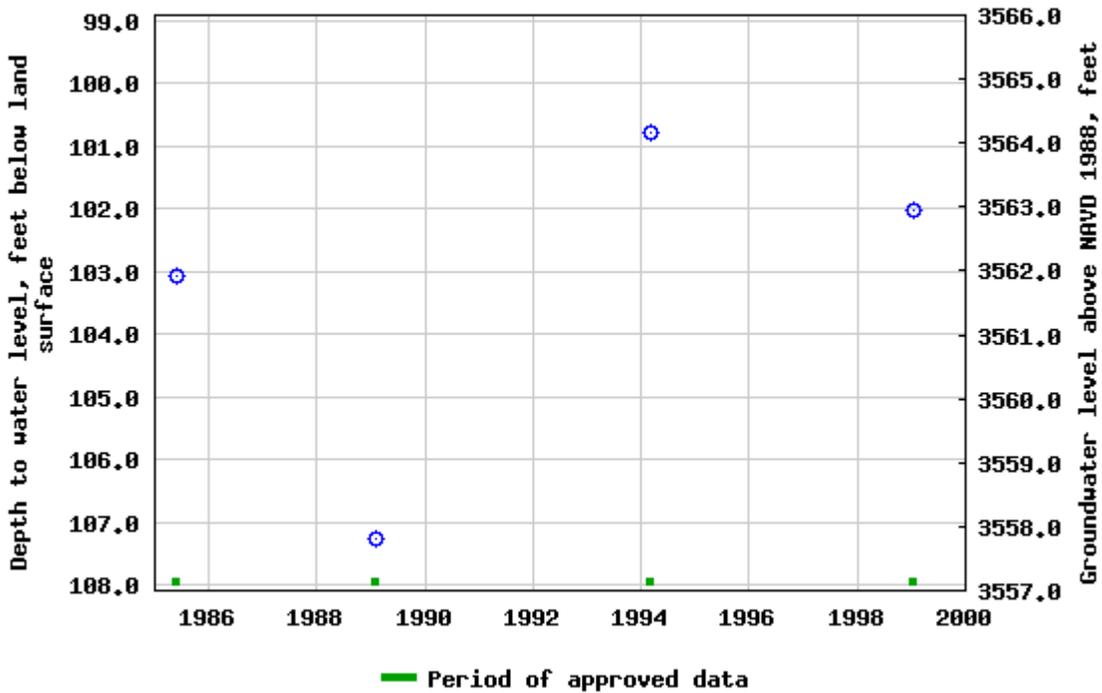
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
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USGS 324633104105401 18S.28E.04.32412



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



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0.59 0.5 nadww02



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- 324642104111001

Minimum number of levels = 1

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### USGS 324642104111001 18S.28E.04.131444

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°46'42", Longitude 104°11'10" NAD27

Land-surface elevation 3,640 feet above NGVD29

The depth of the well is 145.00 feet below land surface.

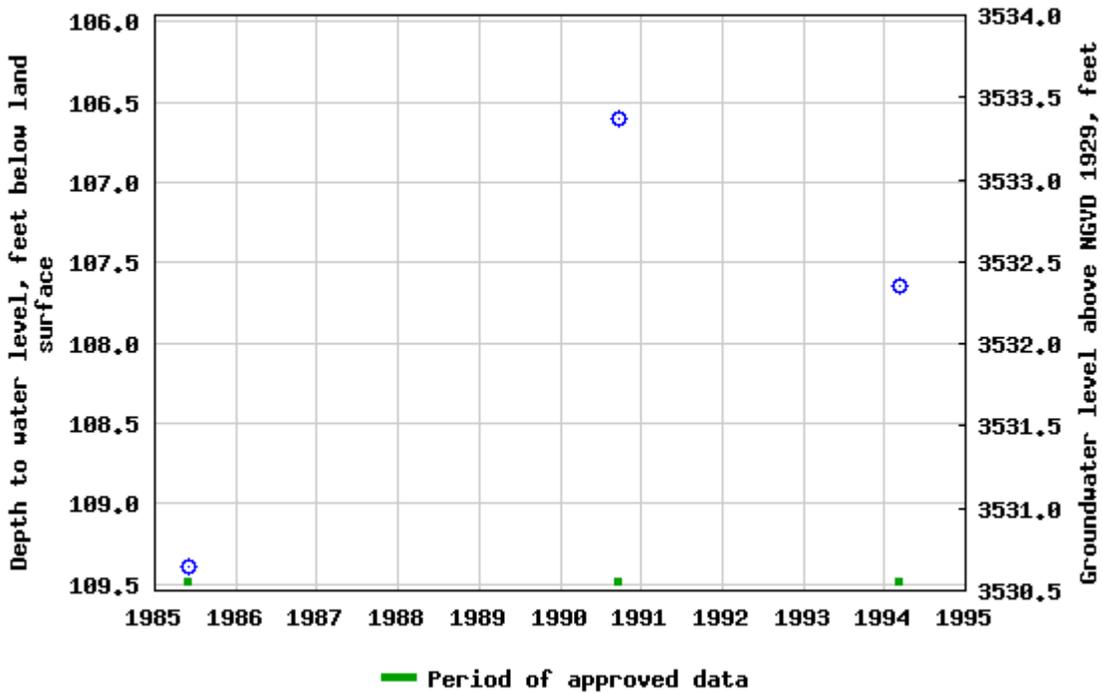
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-04-20 10:33:19 EDT

0.58 0.49 nadww02

## **Appendix B Field Data**





### Sample Log

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

Project: Blalock 32 State Com Tank Battery

Project Number: 18086 Latitude: 32.792575 Longitude: -104.210911

Sample ID	PID/Odor	Chloride Conc.		GPS
FL1 @ 2'	—	3.0	368	
FL2 @ 2'	—	3.6	500	
FL3 @ 2'	—	2.4	452	
FL4 @ 3'	—	3.0	368	
FL5 @ 3'	—	2.8	328	
NW1	—	2.6	292	
FL6 @ 2.5'	—	2.8	328	
WW1	—	2.2	228	
FL7 @ 2.5'	—	2.6	292	
FL8 @ 2.5'	—	2.4	260	
FL9 @ 2.5'	—	1.8	172	
FL10 @ 3'	—	1.6	136	
FL11 @ 2.5'	—	1.8	172	
FL12 @ 2.5'	—	3.4	452	
FL17 @ 2.5'	—	3.0	368	
FL14 @ 2.5'	—	2.8	328	
WW2	—	2.2	220	
FL15 @ 2.5'	—	2.6	284	
FL16 @ 2.5'	—	3.2	396	
FL17 @ 3'	—	1.8	164	
FL18 @ 3'	—	1.6	136	
FL19 @ 3'	—	2.0	192	
FL20 @ 2.5'	—	2.0	192	
EW2	—	2.0	192	
FL21 @ 3'	—	2.6	284	
FL22 @ 3'	—	3.0	192	
FL23 @ 3'	—	2.0	192	
FL24 @ 3'	—	1.6	136	
FL25 @ 3'	—	1.4	112	
<del>FL25</del> EW1	—	3.4	436	
FL26 @ 3'	—	2.4	252	
FL27 @ 3'	—	1.6	136	
FL28 @ 3'	—	1.4	112	
FL29 @ 3'	—	2.0	192	
FL30 @ 3'	—	2.4	252	
FL31 @ 3'	—	2.0	192	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas





### Remediation Log

880 880

Project: Blalock 32 State Com Tank Battery  
 Project Number: 18086 Latitude: 32.792575 Longitude: -104.210911

Confirmation of Active One Call? One Call No.  Yes  No  
 Confirmation of On-Site JSA?  Yes  No

Date:	Notes	Yds	
		Out	In
	****Begin Remediation Activities****		
6-10-2023	- Excavate impacted soil / Stockpile on plastic / Field screen		
6-13-2023	- Excavate impacted soil / Stockpile on plastic / Field screen		
6-14-2023	- Sample / Load + haul to LEA LAND	120	120
6-15-2023	- Sample / Load + haul to LEA LAND	120	120
	- Hydro Vac, spot lines		
6-16-2023	- Sample / Excavate impacted soil		
	- Load + haul to LEA LAND	120	120
6-19-2023	- Sample / Excavate impacted soil		
	- Load + haul to LEA LAND	120	120
6-20-2023	- Sample / Excavate impacted soil		
	- Load + haul to LEA LAND	100	120
	"Belly Broke Down"		
6-21-2023	- Load + haul to LEA LAND	120	120
	- Backfill + pack <del>soil</del> caliche in excavation		
6-26-2023	- Load + haul to LEA LAND	120	80
	- Backfill + pack caliche in excavation		
6-27-2023	- Load + haul to LEA LAND	80	80
	- Backfill + pack caliche in excavation		
	- Water pack		
	****Begin Backfill Activities****		
	****Complete Remediation Activities****		

Total Yds  
 Out 900 In 880

Pictures of Open Excavation Prior to Backfill  Yes  No  
 Relevant Information in Project Tracker?  Yes  No

# **Appendix C**

## **Laboratory Analytical Reports**



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

---

April 27, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLALOCK 32 STATE COM TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/24/23 14:51.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 1 @ 0' (H231985-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>75.0</b>	5.00	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>379</b>	5.00	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>297</b>	5.00	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>463</b>	15.0	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>1210</b>	30.0	04/26/2023	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
<b>Chloride</b>	<b>336</b>	16.0	04/25/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>10100</b>	50.0	04/26/2023	ND	215	107	200	3.35		
<b>DRO &gt;C10-C28*</b>	<b>40900</b>	50.0	04/26/2023	ND	202	101	200	4.46		
<b>EXT DRO &gt;C28-C36</b>	<b>6730</b>	50.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 757 % 48.2-134

Surrogate: 1-Chlorooctadecane 817 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 1 @ 4' (H231985-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.219</b>	0.050	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.633</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.216</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>0.270</b>	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>1.34</b>	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	04/25/2023	ND	416	104	400	3.92	

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	04/26/2023	ND	215	107	200	3.35	
<b>DRO &gt;C10-C28*</b>	<b>26.2</b>	10.0	04/26/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 2 @ 0' (H231985-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>66.2</b>	5.00	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>450</b>	5.00	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>300</b>	5.00	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>449</b>	15.0	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>1260</b>	30.0	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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
<b>Chloride</b>	<b>272</b>	16.0	04/25/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>8270</b>	50.0	04/26/2023	ND	215	107	200	3.35		
<b>DRO &gt;C10-C28*</b>	<b>18400</b>	50.0	04/26/2023	ND	202	101	200	4.46		
<b>EXT DRO &gt;C28-C36</b>	<b>2760</b>	50.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 489 % 48.2-134

Surrogate: 1-Chlorooctadecane 420 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 2 @ 3' (H231985-04)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.174</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.131</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>0.194</b>	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>0.499</b>	0.300	04/26/2023	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
<b>Chloride</b>	<b>64.0</b>	16.0	04/25/2023	ND	416	104	400	3.92	

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	04/26/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 3 @ 0' (H231985-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>85.5</b>	5.00	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>473</b>	5.00	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>338</b>	5.00	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>519</b>	15.0	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>1420</b>	30.0	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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
<b>Chloride</b>	<b>224</b>	16.0	04/25/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>10200</b>	50.0	04/26/2023	ND	215	107	200	3.35		
<b>DRO &gt;C10-C28*</b>	<b>27900</b>	50.0	04/26/2023	ND	202	101	200	4.46		
<b>EXT DRO &gt;C28-C36</b>	<b>4430</b>	50.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 652 % 48.2-134

Surrogate: 1-Chlorooctadecane 672 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: TT 3 @ 3' (H231985-06)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.213</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.156</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>0.246</b>	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>0.616</b>	0.300	04/26/2023	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
<b>Chloride</b>	<b>176</b>	16.0	04/25/2023	ND	416	104	400	3.92	

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	04/26/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: SH 1B @ 0' (H231985-07)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.156</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.114</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>0.180</b>	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>0.450</b>	0.300	04/26/2023	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
<b>Chloride</b>	<b>48.0</b>	16.0	04/25/2023	ND	416	104	400	3.92	

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	04/26/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 70.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: SH 1 @ 1' (H231985-08)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.169</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.129</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
<b>Total Xylenes*</b>	<b>0.200</b>	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
<b>Total BTEX</b>	<b>0.497</b>	0.300	04/26/2023	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
<b>Chloride</b>	<b>32.0</b>	16.0	04/25/2023	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	04/26/2023	ND	215	107	200	3.35	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	202	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EH 1 @ 0' (H231985-09)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.100</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.086</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>32.0</b>	16.0	04/25/2023	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	04/26/2023	ND	195	97.6	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	214	107	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EH 1 @ 1' (H231985-10)**

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	04/26/2023	ND	1.98	99.1	2.00	6.32	
<b>Toluene*</b>	<b>0.089</b>	0.050	04/26/2023	ND	2.04	102	2.00	5.15	
<b>Ethylbenzene*</b>	<b>0.075</b>	0.050	04/26/2023	ND	2.06	103	2.00	5.64	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.20	103	6.00	5.57	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>48.0</b>	16.0	04/25/2023	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	04/26/2023	ND	195	97.6	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	214	107	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: NH 1 @ 0' (H231985-11)**

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	04/26/2023	ND	1.67	83.5	2.00	14.0	
<b>Toluene*</b>	<b>0.064</b>	0.050	04/26/2023	ND	1.86	93.1	2.00	13.5	
<b>Ethylbenzene*</b>	<b>0.055</b>	0.050	04/26/2023	ND	1.90	94.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	5.89	98.2	6.00	13.4	
Total BTEX	<0.300	0.300	04/26/2023	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
<b>Chloride</b>	<b>80.0</b>	16.0	04/25/2023	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	04/26/2023	ND	195	97.6	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	214	107	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	04/24/2023	Sampling Date:	04/24/2023
Reported:	04/27/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: NH 1 @ 1' (H231985-12)**

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	04/26/2023	ND	1.67	83.5	2.00	14.0	
Toluene*	<0.050	0.050	04/26/2023	ND	1.86	93.1	2.00	13.5	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	1.90	94.8	2.00	12.9	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	5.89	98.2	6.00	13.4	
Total BTEX	<0.300	0.300	04/26/2023	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	80.0	16.0	04/25/2023	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	04/26/2023	ND	195	97.6	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	214	107	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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







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June 17, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLALOCK 32 STATE COM TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 16:25.

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 "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 1 @ 2' (H233104-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4		
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1		
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72		
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38		
Total BTEX	<0.150	0.150	06/17/2023	ND						

Surrogate: Dibromofluoromethane 96.6 % 86.7-111

Surrogate: Toluene-d8 99.1 % 89.3-110

Surrogate: 4-Bromofluorobenzene 92.7 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>128</b>	16.0	06/16/2023	ND	400	100	400	3.92		

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	06/16/2023	ND	175	87.3	200	1.95		
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND						

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 2 @ 2' (H233104-02)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 97.7 % 86.7-111  
 Surrogate: Toluene-d8 99.2 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 92.8 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 3 @ 2' (H233104-03)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane      96.7 %      86.7-111  
 Surrogate: Toluene-d8      99.5 %      89.3-110  
 Surrogate: 4-Bromofluorobenzene      93.9 %      88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane      85.3 %      48.2-134  
 Surrogate: 1-Chlorooctadecane      93.7 %      49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 4 @ 3' (H233104-04)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 98.4 % 86.7-111  
 Surrogate: Toluene-d8 99.0 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.0 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
<b>DRO &gt;C10-C28*</b>	<b>13.7</b>	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 5 @ 3' (H233104-05)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 98.0 % 86.7-111  
 Surrogate: Toluene-d8 97.6 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 93.5 % 88.2-108

Chloride, SM4500Cl-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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	121	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	19.4	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 6 @ 2.5' (H233104-06)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.4 % 86.7-111  
 Surrogate: Toluene-d8 99.0 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.3 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: NW 1 (H233104-07)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.8 % 86.7-111  
 Surrogate: Toluene-d8 99.6 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.1 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>148</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>25.4</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/13/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: WW 1 (H233104-08)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.0 % 86.7-111  
 Surrogate: Toluene-d8 98.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.0 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>547</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>116</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 7 @ 2.5' (H233104-09)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 99.4 % 86.7-111  
 Surrogate: Toluene-d8 98.6 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.0 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	20.2	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 8 @ 2.5' (H233104-10)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.3 % 86.7-111  
 Surrogate: Toluene-d8 98.1 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.5 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 9 @ 2.5' (H233104-11)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.8 % 86.7-111  
 Surrogate: Toluene-d8 98.4 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.2 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 10 @ 3' (H233104-12)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.4 % 86.7-111  
 Surrogate: Toluene-d8 99.1 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.3 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/14/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 11 @ 2.5' (H233104-13)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.5 % 86.7-111  
 Surrogate: Toluene-d8 98.8 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.9 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 12 @ 2.5' (H233104-14)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
<b>Toluene*</b>	<b>0.046</b>	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
<b>Ethylbenzene*</b>	<b>0.157</b>	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
<b>Total Xylenes*</b>	<b>0.379</b>	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
<b>Total BTEX</b>	<b>0.588</b>	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.5 % 86.7-111  
 Surrogate: Toluene-d8 96.8 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 101 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	06/16/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>28.2</b>	10.0	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>1740</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>390</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 13 @ 2.5' (H233104-15)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane      98.9 %      86.7-111  
 Surrogate: Toluene-d8      98.4 %      89.3-110  
 Surrogate: 4-Bromofluorobenzene      95.3 %      88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane      88.4 %      48.2-134  
 Surrogate: 1-Chlorooctadecane      83.7 %      49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 14 @ 2.5' (H233104-16)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
<b>Toluene*</b>	<b>0.028</b>	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
<b>Ethylbenzene*</b>	<b>0.046</b>	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
<b>Total Xylenes*</b>	<b>0.085</b>	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
<b>Total BTEX</b>	<b>0.161</b>	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 99.1 % 86.7-111  
 Surrogate: Toluene-d8 98.3 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.6 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>574</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>123</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 15 @ 2.5' (H233104-17)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.8 % 86.7-111  
 Surrogate: Toluene-d8 98.3 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.8 % 88.2-108

Chloride, SM4500Cl-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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 16 @ 2.5' (H233104-18)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.5 % 86.7-111  
 Surrogate: Toluene-d8 98.5 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.6 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 17 @ 3' (H233104-19)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.0 % 86.7-111  
 Surrogate: Toluene-d8 98.8 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.8 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>306</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>74.3</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 18 @ 3' (H233104-20)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.3 % 86.7-111  
 Surrogate: Toluene-d8 98.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.2 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	30.2	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 19 @ 3' (H233104-21)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 96.4 % 86.7-111  
 Surrogate: Toluene-d8 98.6 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.5 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 20 @ 2.5' (H233104-22)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 96.1 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.0 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	38.2	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EW 2 (H233104-23)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 97.0 % 86.7-111  
 Surrogate: Toluene-d8 98.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.2 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
DRO >C10-C28*	223	10.0	06/16/2023	ND	198	98.9	200	1.28	
EXT DRO >C28-C36	46.9	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 21 @ 3' (H233104-24)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.6 % 86.7-111  
 Surrogate: Toluene-d8 98.9 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.1 % 88.2-108

Chloride, SM4500Cl-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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>367</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>69.9</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 22 @ 3' (H233104-25)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/16/2023	ND	1.96	98.0	2.00	5.77	
Toluene*	<0.025	0.025	06/16/2023	ND	1.94	97.1	2.00	3.61	
Ethylbenzene*	<0.025	0.025	06/16/2023	ND	2.02	101	2.00	3.78	
Total Xylenes*	<0.075	0.075	06/16/2023	ND	6.04	101	6.00	3.70	
Total BTEX	<0.150	0.150	06/16/2023	ND					

Surrogate: Dibromofluoromethane 98.2 % 86.7-111  
 Surrogate: Toluene-d8 98.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.2 % 88.2-108

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AC</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	06/16/2023	ND	400	100	400	3.92	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	215	107	200	0.321	
<b>DRO &gt;C10-C28*</b>	<b>555</b>	10.0	06/16/2023	ND	198	98.9	200	1.28	
<b>EXT DRO &gt;C28-C36</b>	<b>128</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 23 @ 3' (H233104-26)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 98.4 % 86.7-111  
 Surrogate: Toluene-d8 98.0 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.2 % 88.2-108

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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	188	93.8	200	1.24	
DRO >C10-C28*	135	10.0	06/16/2023	ND	198	98.8	200	2.43	
EXT DRO >C28-C36	16.9	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 24 @ 3' (H233104-27)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
<b>Toluene*</b>	<b>0.110</b>	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
<b>Ethylbenzene*</b>	<b>0.139</b>	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
<b>Total Xylenes*</b>	<b>0.218</b>	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
<b>Total BTEX</b>	<b>0.482</b>	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 97.7 % 86.7-111  
 Surrogate: Toluene-d8 96.4 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.6 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	06/16/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>15.6</b>	10.0	06/16/2023	ND	188	93.8	200	1.24	
<b>DRO &gt;C10-C28*</b>	<b>573</b>	10.0	06/16/2023	ND	198	98.8	200	2.43	
<b>EXT DRO &gt;C28-C36</b>	<b>80.4</b>	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 25 @ 3' (H233104-28)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4	
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1	
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72	
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38	
Total BTEX	<0.150	0.150	06/17/2023	ND					

Surrogate: Dibromofluoromethane 99.0 % 86.7-111  
 Surrogate: Toluene-d8 98.0 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.9 % 88.2-108

Chloride, SM4500Cl-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	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	188	93.8	200	1.24	
DRO >C10-C28*	176	10.0	06/16/2023	ND	198	98.8	200	2.43	
EXT DRO >C28-C36	27.2	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/17/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Shari Cisneros
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: WW 2 (H233104-29)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	06/17/2023	ND	1.93	96.7	2.00	10.4		
Toluene*	<0.025	0.025	06/17/2023	ND	1.85	92.5	2.00	10.1		
Ethylbenzene*	<0.025	0.025	06/17/2023	ND	1.87	93.7	2.00	8.72		
Total Xylenes*	<0.075	0.075	06/17/2023	ND	5.62	93.7	6.00	8.38		
Total BTEX	<0.150	0.150	06/17/2023	ND						

Surrogate: Dibromofluoromethane 97.5 % 86.7-111  
 Surrogate: Toluene-d8 99.6 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.8 % 88.2-108

Chloride, SM4500Cl-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	06/16/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	10.1	10.0	06/16/2023	ND	188	93.8	200	1.24		
DRO >C10-C28*	678	10.0	06/16/2023	ND	198	98.8	200	2.43		
EXT DRO >C28-C36	140	10.0	06/16/2023	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Mike Snyder For 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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A handwritten signature in black ink, appearing to read "Mike Snyder".

---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

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

Company Name: Etech Environmental & Safety Solutions, Inc.		<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Zack Lander		P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: P.O. Box 301		Company: Etech																							
City: Lovington State: NM Zip: 88260		Attn:																							
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address:																							
Project #: 18086 Project Owner:		City:																							
Project Name: Blalock 32 State Com		State: Zip:																							
Project Location: Rural Bddy Co., NM		Phone #:																							
Sampler Name: Dried Outflow		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
H233104																									
11	FL9@ 2.5'	LI				X				X			6/14/23	10:00	X	X	X								
12	FL10@ 3'	LI				X				X			6/14/23	10:30	X	X	X								
13	FL11@ 2.5'	LI				X				X			6/14/23	11:00	X	X	X								
14	FL12@ 2.5'	LI				X				X			6/15/23	12:00	X	X	X								
15	FL13@ 2.5'	LI				X				X			6/15/23	12:30	X	X	X								
16	FL14@ 2.5'	LI				X				X			6/15/23	1:00	X	X	X								
17	FL15@ 2.5'	LI				X				X			6/15/23	1:30	X	X	X								
18	FL16@ 2.5'	LI				X				X			6/15/23	2:00	X	X	X								
19	FL17@ 3'	LI				X				X			6/15/23	2:30	X	X	X								
20	FL18@ 3'	LI				X				X			6/15/23	2:45	X	X	X								
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Relinquished By:		Date: 6/15/23	Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																		
Relinquished By:		Date:	Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Delivered By: (Circle One)		Time: 11:25		REMARKS: 		Please email results to pm@etechenv.com.																			
Sampler - UPS - Bus - Other: <u>0.3</u> <u>-0.3</u> 113		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) DC																					





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

---

June 19, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLALOCK 32 STATE COM TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/16/23 14:55.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 26 @ 3' (H233135-01)**

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	06/16/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	128	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	170	85.2	200	3.46	
DRO >C10-C28*	<10.0	10.0	06/19/2023	ND	180	89.8	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 27 @ 3' (H233135-02)**

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	06/16/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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
<b>Chloride</b>	<b>160</b>	16.0	06/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/19/2023	ND	170	85.2	200	3.46		
<b>DRO &gt;C10-C28*</b>	<b>16.5</b>	10.0	06/19/2023	ND	180	89.8	200	3.28		
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND						

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 28 @ 3' (H233135-03)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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
<b>Chloride</b>	<b>128</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	170	85.2	200	3.46	
<b>DRO &gt;C10-C28*</b>	<b>108</b>	10.0	06/19/2023	ND	180	89.8	200	3.28	
<b>EXT DRO &gt;C28-C36</b>	<b>18.4</b>	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 29 @ 3' (H233135-04)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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
<b>Chloride</b>	<b>160</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	170	85.2	200	3.46	
<b>DRO &gt;C10-C28*</b>	<b>83.3</b>	10.0	06/19/2023	ND	180	89.8	200	3.28	
<b>EXT DRO &gt;C28-C36</b>	<b>17.4</b>	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 30 @ 3' (H233135-05)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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
<b>Chloride</b>	<b>64.0</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	170	85.2	200	3.46	
<b>DRO &gt;C10-C28*</b>	<b>102</b>	10.0	06/19/2023	ND	180	89.8	200	3.28	
<b>EXT DRO &gt;C28-C36</b>	<b>18.4</b>	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 31 @ 3' (H233135-06)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	170	85.2	200	3.46	
DRO >C10-C28*	128	10.0	06/19/2023	ND	180	89.8	200	3.28	
EXT DRO >C28-C36	25.3	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 32 @ 3' (H233135-07)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	144	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	183	91.7	200	1.53	
DRO >C10-C28*	<10.0	10.0	06/19/2023	ND	168	83.9	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 33 @ 3' (H233135-08)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	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>160</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
<b>DRO &gt;C10-C28*</b>	<b>14.8</b>	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 34 @ 3' (H233135-09)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	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
<b>Chloride</b>	<b>176</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
<b>DRO &gt;C10-C28*</b>	<b>11.3</b>	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 35 @ 3' (H233135-10)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
DRO >C10-C28*	<10.0	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 36 @ 3' (H233135-11)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	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
Chloride	160	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
DRO >C10-C28*	<10.0	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 37 @ 3' (H233135-12)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>176</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
<b>DRO &gt;C10-C28*</b>	<b>14.5</b>	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 38 @ 3' (H233135-13)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	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
<b>Chloride</b>	<b>176</b>	16.0	06/19/2023	ND	400	100	400	3.92	

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	06/19/2023	ND	222	111	200	1.82	
<b>DRO &gt;C10-C28*</b>	<b>11.9</b>	10.0	06/19/2023	ND	191	95.7	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EW 1 (H233135-14)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	464	16.0	06/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	53.8	10.0	06/19/2023	ND	222	111	200	1.82		
DRO >C10-C28*	140	10.0	06/19/2023	ND	191	95.7	200	11.3		
EXT DRO >C28-C36	33.6	10.0	06/19/2023	ND						

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/16/2023	Sampling Date:	06/16/2023
Reported:	06/19/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: SW 1 (H233135-15)**

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	06/17/2023	ND	2.07	104	2.00	2.26	
Toluene*	<0.050	0.050	06/17/2023	ND	1.93	96.3	2.00	0.879	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	1.96	97.8	2.00	3.28	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	5.90	98.3	6.00	2.86	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>128</b>	16.0	06/19/2023	ND	432	108	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	06/19/2023	ND	183	91.7	200	1.53	
<b>DRO &gt;C10-C28*</b>	<b>40.7</b>	10.0	06/19/2023	ND	168	83.9	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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



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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





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

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

2/2

**Company Name:** Etech Environmental & Safety Solutions, Inc.  
**Project Manager:** Zach Conder  
**Address:** P.O. Box 301  
**City:** Lovington **State:** NM **Zip:** 88260  
**Phone #:** (575) 396-2378 **Fax #:** (575) 396-1429  
**Project #:** 17086 **Project Owner:** Etech  
**Project Name:** Blalock 32 state com  
**Project Location:** Rural Eddy Co. NM  
**Sampler Name:** Oried Antivedas

**BILL TO**  
**P.O. #:**  
**Company:** Etech  
**Attn:**  
**Address:**  
**City:**  
**State:** **Zip:**  
**Phone #:**  
**Fax #:**

ANALYSIS REQUEST			Chloride	TPH (8015M)	BTEX (8021B)
DATE	TIME	ANALYSIS REQUEST			
6/16/23	12:40	X X X			
6/16/23	1:00	X X X			
6/16/23	1:20	X X X			
6/16/23	1:40	X X X			
6/16/23	2:00	X X X			

Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX							PRESERV.		SAMPLING	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
H233135													
11	FL 36 @ 3'	C			X					X		6/16/23	12:40
12	FL 37 @ 3'	C			X					X		6/16/23	1:00
13	FL 38 @ 3'	C			X					X		6/16/23	1:20
14	EWI	C			X					X		6/16/23	1:40
15	SWI	C			X					X		6/16/23	2:00

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**Relinquished By:** [Signature] **Date:** 6-16-23 **Time:** 1455  
**Received By:** [Signature] **Date:** [Blank] **Time:** [Blank]

**Phone Result:**  Yes  No **Add'l Phone #:**  
**Fax Result:**  Yes  No **Add'l Fax #:**

**REMARKS:**  
Push please

**Delivered By: (Circle One)**  
Sampler - UPS - Bus - Other: 4.7c / 4.6c #113  
**Sample Condition:** Cool  Yes  No Intact  Yes  No  
**CHECKED BY:** [Signature]

Please email results to pm@etechenv.com.

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

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June 20, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLALOCK 32 STATE COM TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 14:58.

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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 5 @ 3.5' (H233164-01)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	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	80.0	16.0	06/20/2023	ND	432	108	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	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 12 @ 3' (H233164-02)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	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	<16.0	16.0	06/20/2023	ND	432	108	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	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 14 @ 3' (H233164-03)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/20/2023	ND	432	108	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	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 17 @ 3.5' (H233164-04)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	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	80.0	16.0	06/20/2023	ND	432	108	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	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 21 @ 3.5' (H233164-05)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/20/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	213	106	200	1.41		
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26		
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND						

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 22 @ 3.5' (H233164-06)**

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	06/19/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/19/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/19/2023	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	80.0	16.0	06/20/2023	ND	432	108	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	06/20/2023	ND	213	106	200	1.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	215	107	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 23 @ 3.5' (H233164-07)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	06/20/2023	ND	432	108	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 24 @ 3.5' (H233164-08)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/20/2023	ND	432	108	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 25 @ 3.5' (H233164-09)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	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	48.0	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EW2B (H233164-10)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: NW1B (H233164-11)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	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	06/20/2023	ND	416	104	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: WW1B (H233164-12)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	06/20/2023	ND	416	104	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/19/2023	Sampling Date:	06/19/2023
Reported:	06/20/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: WW2B (H233164-13)**

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	06/20/2023	ND	2.02	101	2.00	0.248	
Toluene*	<0.050	0.050	06/20/2023	ND	1.92	96.1	2.00	0.481	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	1.92	95.8	2.00	0.504	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	5.75	95.8	6.00	2.23	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/20/2023	ND	416	104	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	06/20/2023	ND	215	108	200	6.17	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	205	103	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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



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

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

1/2

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
<b>Project Manager:</b> Zach Conder		P.O. #:		Chloride TPH (8015M) BTEX (8021B)									
<b>Address:</b> P.O. Box 301		Company: Etech											
<b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260		Attn:											
<b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429		Address:											
<b>Project #:</b> 8076 <b>Project Owner:</b> Etech		City:											
<b>Project Name:</b> Blacklock 32 State Com Tank Battery		State: Zip:											
<b>Project Location:</b> Roubidoux Co., NM		Phone #:											
<b>Sampler Name:</b> David Antiveros		Fax #:											

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME								
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:										
H2331164																						
1	FL5@3.5'	C	1			X				X		6/19/23	09:00	X	X	X						
2	FL12@3'	C	1			X				X		6/19/23	09:30	X	X	X						
3	FL14@3'	C	1			X				X		6/19/23	10:00	X	X	X						
4	FL17@3.5'	C	1			X				X		6/19/23	10:30	X	X	X						
5	FL21@3.5'	C	1			X				X		6/19/23	11:00	X	X	X						
6	FL22@3.5'	C	1			X				X		6/19/23	11:15	X	X	X						
7	FL23@3.5'	C	1			X				X		6/19/23	11:30	X	X	X						
8	FL24@3.5'	C	1			X				X		6/19/23	11:45	X	X	X						
9	FL25@3.5'	C	1			X				X		6/19/23	12:00	X	X	X						
10	FW2B	C	1			X				X		6/19/23	12:15	X	X	X						

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<b>Relinquished By:</b> 	<b>Date:</b> 6-19-23 <b>Time:</b> 1:45P	<b>Received By:</b> 	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>	
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>REMARKS:</b>  Push please Please email results to pm@etechenv.com.		
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: 2.6c / 2.0c	#113	<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) YD.		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





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

---

June 21, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLALOCK 32 STATE COM TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 9:55.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 28 @ 3.5' (H233177-01)**

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	06/20/2023	ND	2.04	102	2.00	0.594	GC-NC	
<b>Toluene*</b>	<b>0.057</b>	0.050	06/20/2023	ND	2.33	117	2.00	0.177		
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	QM-07	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	QM-07	
Total BTEX	<0.300	0.300	06/20/2023	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	
<b>Chloride</b>	<b>144</b>	16.0	06/20/2023	ND	416	104	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	06/21/2023	ND	190	94.9	200	5.02		
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	201	100	200	2.14		
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 29 @ 3.5' (H233177-02)**

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	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	160	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	190	94.9	200	5.02	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	201	100	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 30 @ 3.5' (H233177-03)**

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	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	176	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	190	94.9	200	5.02	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	201	100	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: FL 31 @ 3.5' (H233177-04)**

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	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	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	192	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	190	94.9	200	5.02	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	201	100	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 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:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	06/20/2023	Sampling Date:	06/20/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	BLALOCK 32 STATE COM TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18086	Sample Received By:	Tamara Oldaker
Project Location:	SPUR-RURAL EDDY COUNTY, NM		

**Sample ID: EW1B (H233177-05)**

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	06/20/2023	ND	2.04	102	2.00	0.594	GC-NC	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177		
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770		
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708		
Total BTEX	<0.300	0.300	06/20/2023	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	176	16.0	06/20/2023	ND	416	104	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	06/20/2023	ND	190	94.9	200	5.02		
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	201	100	200	2.14		
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND						

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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

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.
- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- 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



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

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

**Company Name:** Etech Environmental & Safety Solutions, Inc.  
**Project Manager:** Zach Conde  
**Address:** P.O. Box 301  
**City:** Lovington **State:** NM **Zip:** 88260  
**Phone #:** (575) 396-2378 **Fax #:** (575) 396-1429  
**Project #:** 18086 **Project Owner:**  
**Project Name:** Blalock 32 State Com  
**Project Location:** Rural Eddy Co, NM  
**Sampler Name:** Dried Antivores

**BILL TO**

**P.O. #:**  
**Company:** Etech  
**Attn:**  
**Address:**  
**City:**  
**State:** **Zip:**  
**Phone #:**  
**Fax #:**

Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chloride	TPH (8015M)	BTEX (8021B)	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER				DATE
H233177															
	1 FL 28 @ 3.5'	1		X				X			6/20/23	06:30	X	X	X
	2 FL 29 @ 3.5'	1		X				X			6/20/23	07:00	X	X	X
	3 FL 30 @ 3.5'	1		X				X			6/20/23	07:30	X	X	X
	4 FL 31 @ 3.5'	1		X				X			6/20/23	10:00	X	X	X
	5 EW 1B	1		X				X			6/20/23	08:30	X	X	X

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

**Relinquished By:** [Signature] **Date:** 6-20-23 **Received By:** [Signature] **Date:** 0955

**Phone Result:**  Yes  No **Add'l Phone #:**  
**Fax Result:**  Yes  No **Add'l Fax #:**  
**REMARKS:**

**Delivered By: (Circle One)**  
**Sampler - UPS - Bus - Other:** 3.1c / 2.5c #113  
**Sample Condition:** Cool  Yes  No Intact  Yes  No  
**CHECKED BY:** [Signature]

Please email results to pm@etechenv.com. [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# **Appendix D**

## **Photographic Log**

### Photographic Log

<b>Photo Number:</b> #1	 <p>4/18/23, 12:13 PM +32.792803,-104.210507 Blalock 32 State Com TB</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b> Initial release area.	

<b>Photo Number:</b> #2	 <p>4/18/23, 12:14 PM +32.792803,-104.210507 Blalock 32 State Com TB</p>
<b>Photo Direction:</b> South	
<b>Photo Description:</b> Initial release area.	

### Photographic Log

<b>Photo Number:</b> #3	 	<b>Jun 20, 2023 at 1:04:18 PM</b> <b>+32.792442,-104.210511</b> <b>308° NW</b> <b>Eddy County</b>
<b>Photo Direction:</b> Northwest		
<b>Photo Description:</b> Open excavation.		

<b>Photo Number:</b> #4	 	<b>Jun 20, 2023 at 1:05:14 PM</b> <b>+32.792741,-104.210651</b> <b>146° SE</b> <b>Eddy County</b>
<b>Photo Direction:</b> Southeast		
<b>Photo Description:</b> Open excavation.		

### Photographic Log

<b>Photo Number:</b> #5	 <p>Jun 27, 2023 at 12:14:51 PM 38 T V Power Rd Artesia NM 88210 United States</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b> After completed remediation.	

<b>Photo Number:</b> #6	 <p>Jun 27, 2023 at 12:35:15 PM 38 T V Power Rd Artesia NM 88210 United States</p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b> After completed remediation.	

# **Appendix E**

## **C-141 Supplement Addendum**

# Electronic C-141 Supplemental Documentation

## Spur Energy Partners, LLC

### Blalock 32 State Com Tank Battery

Eddy County, New Mexico

Unit Letter G, Section 31, Township 17 South, Range 28 East

Latitude 32.792575 North, Longitude 104.210911 West

NMOCD Reference No. nAPP2310834343

Prepared By:

### Etech Environmental & Safety Solutions, Inc.

2617 W. Marland

Hobbs, New Mexico 88240



Ben Arguijo



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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## 1.0 ELECTRONIC SAMPLING NOTIFICATION

Date of first excavation confirmation soil sample collection:	6/13/2023
Total area sampled (sq. ft.):	7,600
Total number of excavation confirmation soil samples:	44
Primary sample technician:	Aaron Rios
Contact information of primary sample technician:	4326539132 <a href="mailto:aaron@etechenv.com">aaron@etechenv.com</a>

### Driving directions to Site:

From the intersection of TV Tower Rd and US-82 (GPS: 32.799261, -104.206600), head S on TV Tower Rd for 0.39 mi, then W for 0.04 mi, then SW for 0.08 mi, then S for 0.04 mi to arrive at the Blalock 32 State Com Tank Battery pad (GPS: 32.792575, -104.210911).

***Email and/or verbal final sampling notifications may have previously been conducted. In order to submit an electronic C-141 Closure Report an electronic sampling notification containing the above information must be placed online in the NMOCD Portal.***

## 2.0 SUPPLEMENTAL SITE CHARACTERIZATION ANSWERS

**What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)?**

Between 100 and 500 (ft.)

*Please reference depth to groundwater information packet provided in the C-141 Closure Report*

**What method was used to determine the depth to groundwater?**

NM OSE iWaters Database

*Please reference depth to groundwater information packet provided in the C-141 Closure Report. It is possible that one or more methods were utilized to make a reasonable determination of probable depth to groundwater.*

**Did this release impact groundwater or surface water?**

No

*Please reference the attached C-141 Closure Report.*

**What is the minimum distance between the closest lateral extents of the release and the following surface areas?**

**A continuously flowing watercourse or any other significant watercourse?**

> 5 (mi.)

*Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.*

**Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?**

1 to 5 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**An occupied permanent residence, school, hospital, institution or church?**

> 5 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?**

> 5 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**Any other fresh water well or spring?**

1 to 5 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**Incorporated municipal boundaries or a defined municipal fresh water well field?**

> 5 (mi.)

*Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.*

**A wetland?**

1 to 100 (ft.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**A subsurface mine?**

> 5 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**A (non-karst) unstable area?**

000 (ft.) to ½ mi

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**Categorize the risk of this well/site being in a karst geology.**

Medium

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**A 100-year floodplain**

½ to 1 (mi.)

*Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.*

**Did the release impact areas not on an exploration, development, production, or storage site?**

No

*Please reference Figure 3 in the attached C-141 Closure Report and/or the attached Figure.*

### 3.0 SUPPLEMENTAL REMEDIATION PLAN ANSWERS

**Requesting a remediation plan approval with this submission?** **Yes**  
*Answer yes to this question if you are uploading a C-141 Workplan or a C-141 Closure (at-risk closure)*

**Have the lateral and vertical extents of contamination been fully delineated?** **Yes**  
*Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.*

**Was this release entirely contained within a lined containment area?** **No**  
*Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.*

**Soil Contamination Sampling: (Provide the highest observable concentration for each, in mg/kg.)**

<b>Chloride (EPA 300.0 or SM4500 CL b)</b>	<b>464</b>
<b>TPH (GRO + DRO +MRO) (EPA SW-846 Method 8015M)</b>	<b>57700</b>
<b>GRO+DRO (EPA SW-846 Method 8015M)</b>	<b>51000</b>
<b>BTEX (EPA SW-846 Method 8021B or 8260B)</b>	<b>1420</b>
<b>Benzene (EPA SW-846 Method 8021B or 8260B)</b>	<b>85.5</b>

*Please reference Table 1 in the attached C-141 Report and/or the attached Table 1.*

**On what estimated date did, or will the remediation commence?** **6/13/2023**

**On what date did, or will the final sampling or liner inspection occur?** **6/20/2023**

**On what date will (or was) the remediation complete(d).** **6/22/2023**

*Please reference the attached C-141 Report and/or the attached Table 1.*

**What is the estimated surface area (in sq. ft.) that will *eventually* be reclaimed?** **0**

**What is the estimated volume (in cy) that has or will *eventually* be reclaimed?** **0**

**What is the estimated surface area (in sq. ft.) that has or will be remediated?** **8000**

**What is the estimated volume (in cy) that has or will be remediated?** **900**

*Please reference Figure 6 in the attached C-141 Report and/or the attached Figure.*

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

**(Ex Situ) excavation and off-site disposal (i.e. dig and haul)** **Yes**  
**Which OCD approved facility will be used for off-site disposal?** **Lea Land, Inc.**  
**FEEM0112342028**

#### 4.0 SUPPLEMENTAL DEFERRAL REQUEST ANSWERS (if applicable)

Are you requesting a deferral of remediation closure due date with the approval of this submission?

Have the lateral and vertical extents of contamination been fully delineated?

Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?

What is the remaining surface area (sq. ft.) that will still need to be remediated if a deferral is granted?

What is the remaining volume ( cy) that will still need to be remediated if a deferral is granted?

Enter the facility ID (f#) on which the deferral should be granted:

Enter the API (30-) on which the deferral should be granted:

Contamination does not cause an imminent risk to human health, the environmental or groundwater:

## 5.0 SUPPLEMENTAL REMEDIATION CLOSURE REQUEST ANSWERS

*Not to be used if a deferral is being requested.*

**Requesting a remediation closure approval with this submission?**

Yes

*Note: an electronic sampling notification or electronic liner inspection notice before proceeding past this step.*

**Have the lateral and vertical extents of contamination been fully delineated?**

Yes

**Was the release entirely contained within a lined containment area?**

No

*Note: you must have done an electronic sampling notification before proceeding past this step.*

**What was the total surface area (sq. ft.) remediated?**

8000

**What was the total volume (cy) remediated?**

900

**All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX and 10 mg/kg Benzene?**

Yes

**What was the total surface area (sq. ft.) reclaimed?**

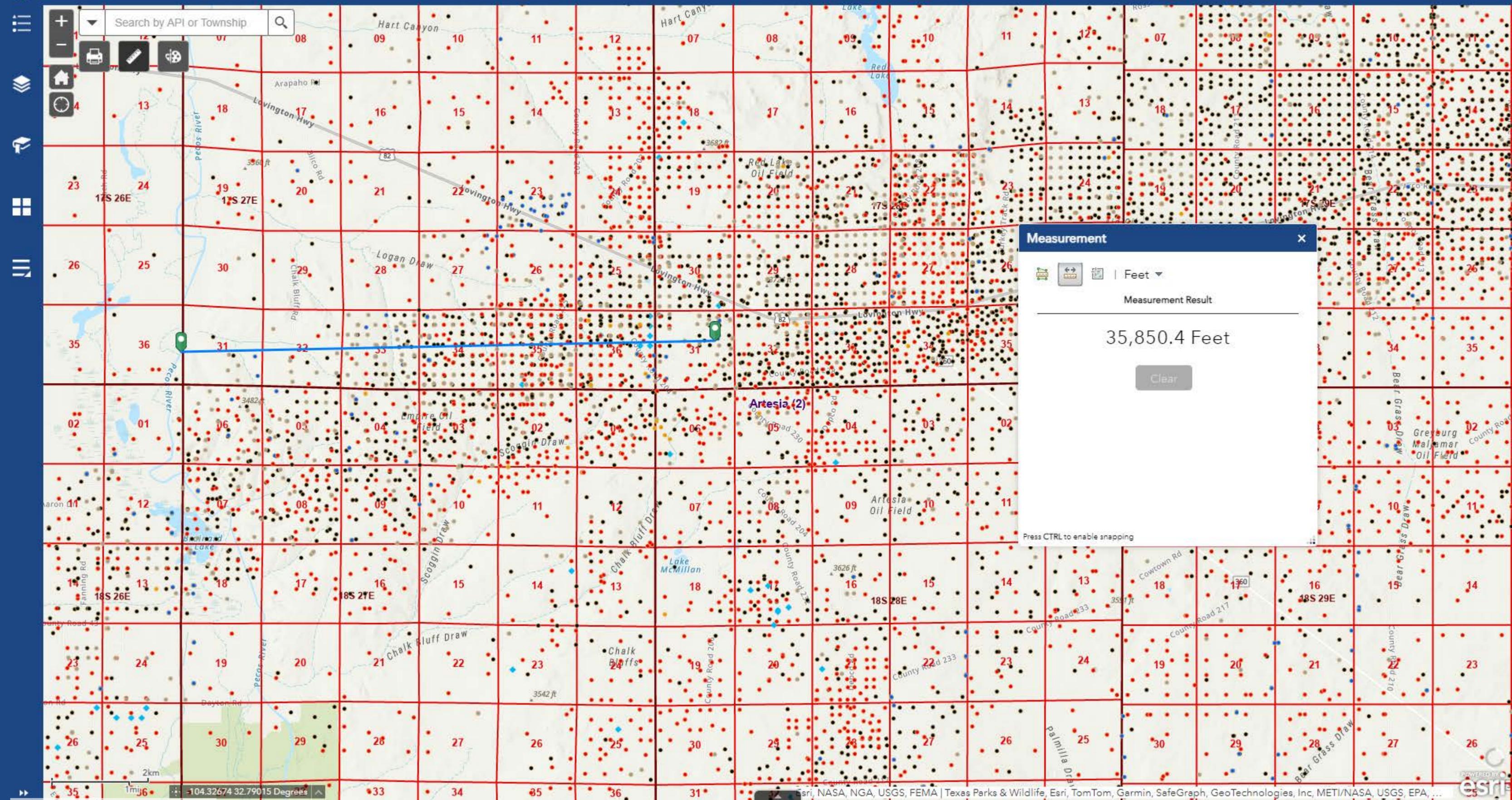
8000

**What was the total volume (cy) reclaimed?**

900

**Summarize any additional remediation activities not included by answers above?**

## **6.0 SUPPLEMENTAL CLOSURE REQUEST FIGURES**



Search by API or Township

**Measurement** [X]

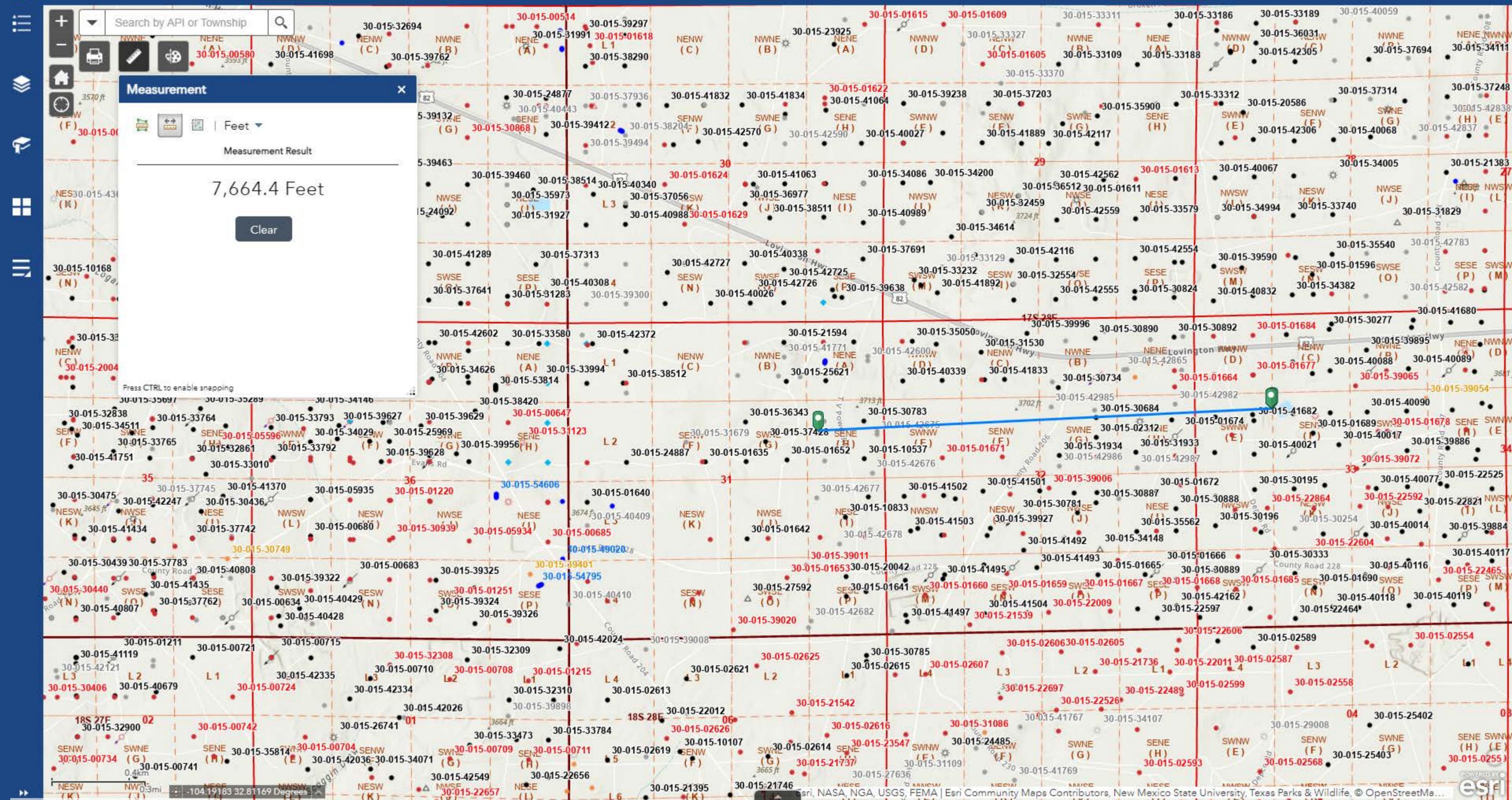
Feet

Measurement Result

35,850.4 Feet

Clear

Press CTRL to enable snapping



Search by API or Township

**Measurement**

Feet

Measurement Result

**7,664.4 Feet**

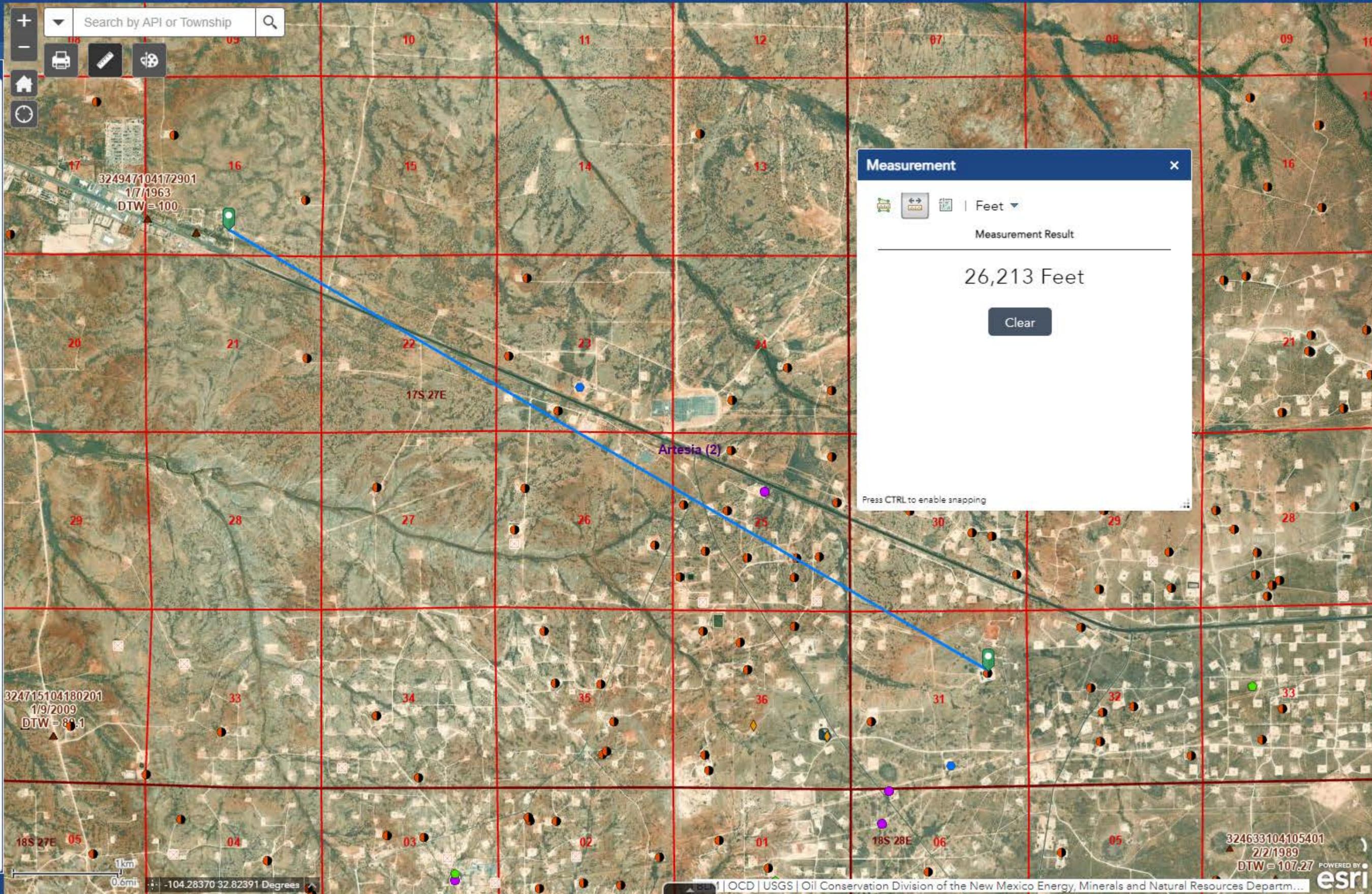
Clear





Basemap Gallery

- Imagery
- Imagery with Labels
- National Geographic
- OpenStreetMap
- Streets
- Terrain with Labels
- Topographic
- USA Topo Maps
- USGS National Map
- Topographic



Measurement

Feet

Measurement Result

26,213 Feet

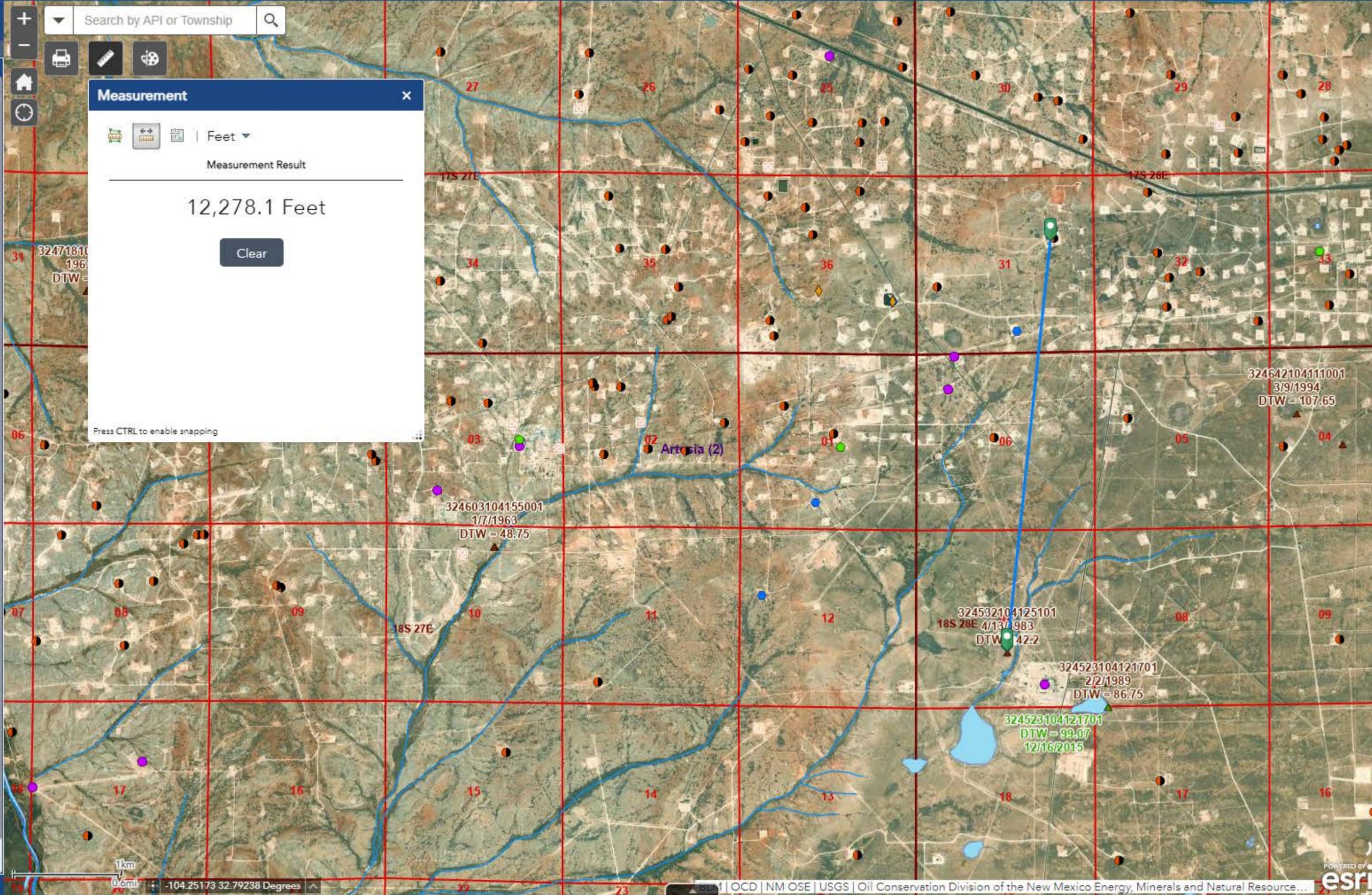
Clear

Press CTRL to enable snapping

Layer List

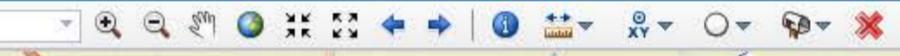
Layers

- OSE Water PODs
- M2.5+ Earthquakes (USGS 30-day)
- NM Oil and Gas Wells
- Incidents (C-141)
- Facilities
- USGS Groundwater wells
- Induced Seismicity Area
- Permian Basin Karst Areas
- BLM Oil Gas Leases Case Disp
- BLM Oil Gas Leases Production Status
- BLM Fluid Minerals Case
- BLM FM Agreements Case Disp
- BLM FM Agreements Production Status
- BLM FM Participating Areas Case Disp
- NM SLO Oil and Gas Leases
- NM SLO Participating Area and Unit Agreement Boundaries
- Political Boundaries and Transportation
- Mineral and Surface Ownership
- Hydrology
- OCD Districts
- NM Oil and Gas Production Areas



Legend Basemap Query

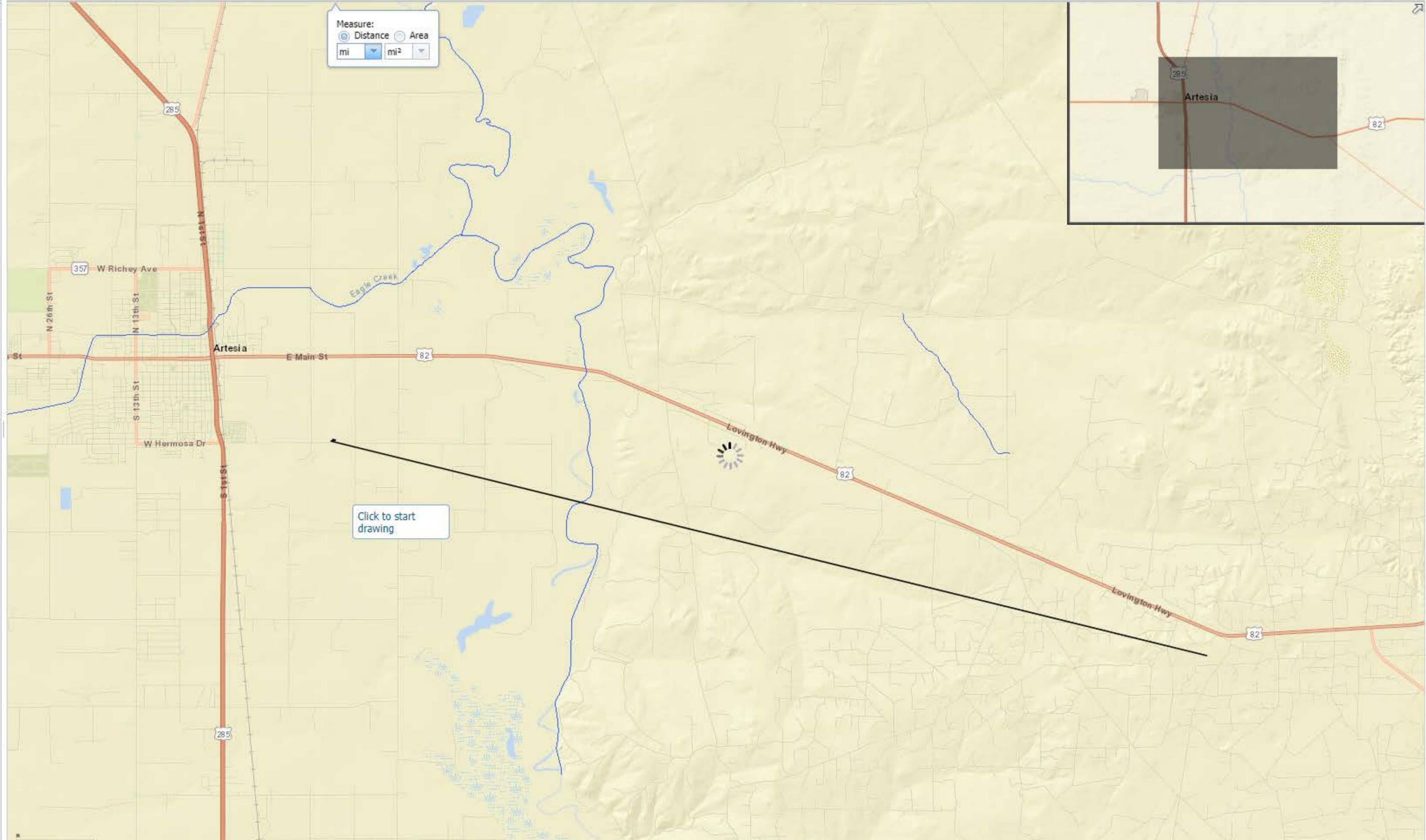
1:72,224



### Legend

All Layers On/Off  
All Layer Transparency

- ▶ Roads
- ▶ Railroads
- ▶ Counties
- ▶ Air Emissions
- ▶ Air Facilities
- ▶ Nonattainment Areas
- ▶ APS Food Facilities
- ▶ Onsite Wastewater Systems
- ▶ Dairies
- ▶ Brownfields
- ▶ Ground Water Discharge Permits
- ▶ Mine Facilities
- ▶ State Cleanup Program
- ▶ Voluntary Remediation Program
- ▶ Superfund Sites
- ▼ Drinking Water Sources
  - Drinking Water Sources
  - Active Surface Water Systems
  - Active Ground Water Systems
  - Inactive Drinking Water Sources
- ▶ Hazardous Waste Facilities
- ▶ Landfills
- ▶ Petroleum Storage Tanks
- ▶ Leaking Tank Sites
- ▶ NPDES Permits
- ▼ Water Quality Stations
  - Water Quality Stations
  - Water Quality Stations
- ▶ Nonpoint Source Program
- ▶ Impaired Waters
- ▼ Assessed Waters

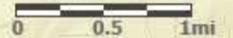


Measure:

Distance  Area

mi mi<sup>2</sup>

Click to start drawing



- BASEMAPS >
- MAP LAYERS >
- Wetlands
  - Riparian
  - Riparian Mapping Areas
  - Data Source
    - Source Type
    - Image Scale
    - Image Year
  - Areas of Interest
  - FWS Managed Lands
  - Historic Wetland Data



Measure

Miles

Measurement Result

0.04 Miles

1:4,514  
32.795 | -104.209

Layer List

Layers

- Registered Mines
- Mineral\_and\_Surface\_Ownership
- Public Land Survey System (PLSS)

Find address or place

Measurement

Miles

Measurement Result

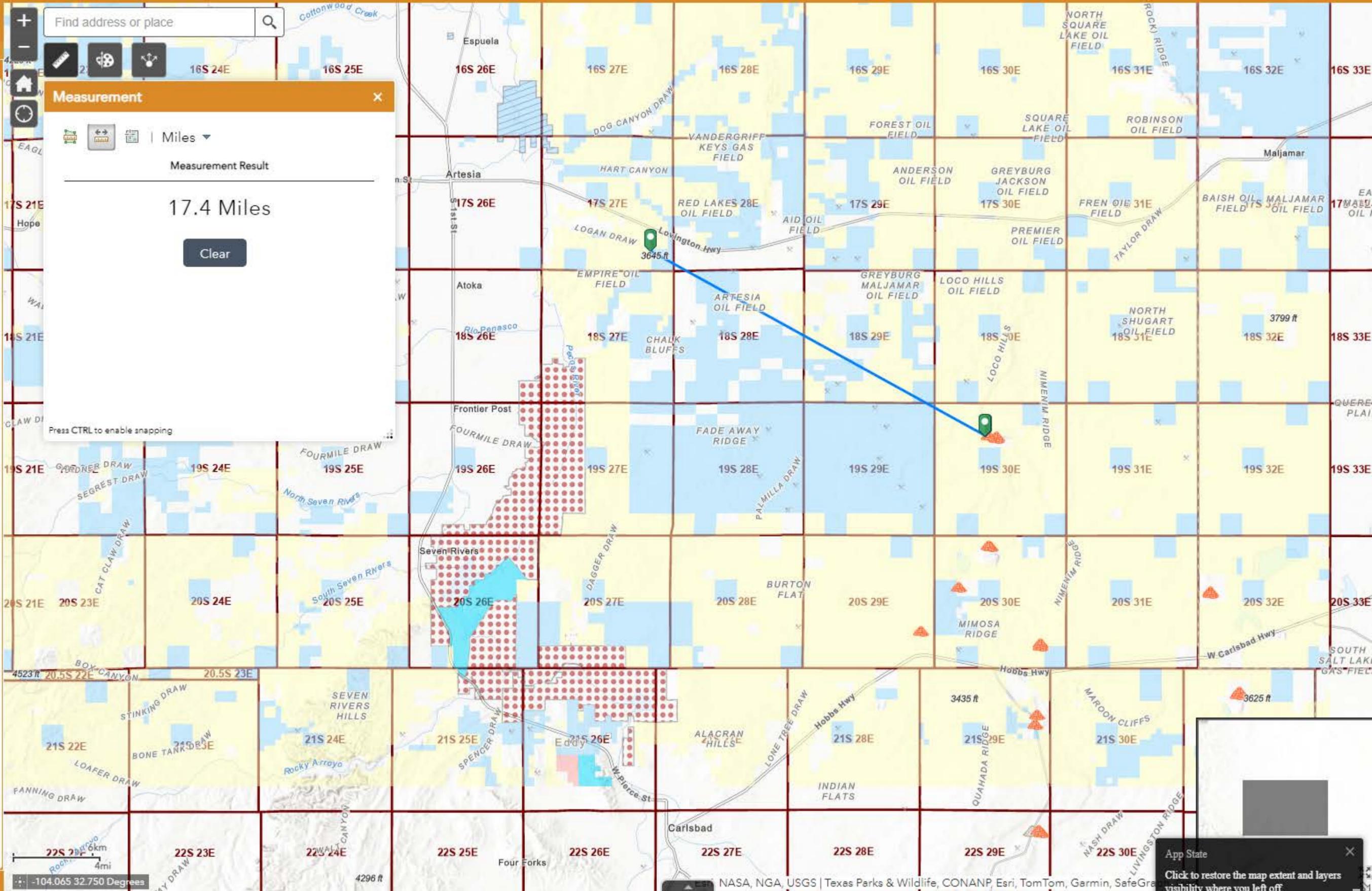
17.4 Miles

Clear

Press CTRL to enable snapping

Scale: 22S 23E 4mi

-104.065 32.750 Degrees



App State

Click to restore the map extent and layers visibility where you left off.

Legend

**Permian Basin Karst Areas**

Critical Karst Resource Area

Karst Occurrence Potential

Potential

- High
- Medium
- Low

**OCD Districts**

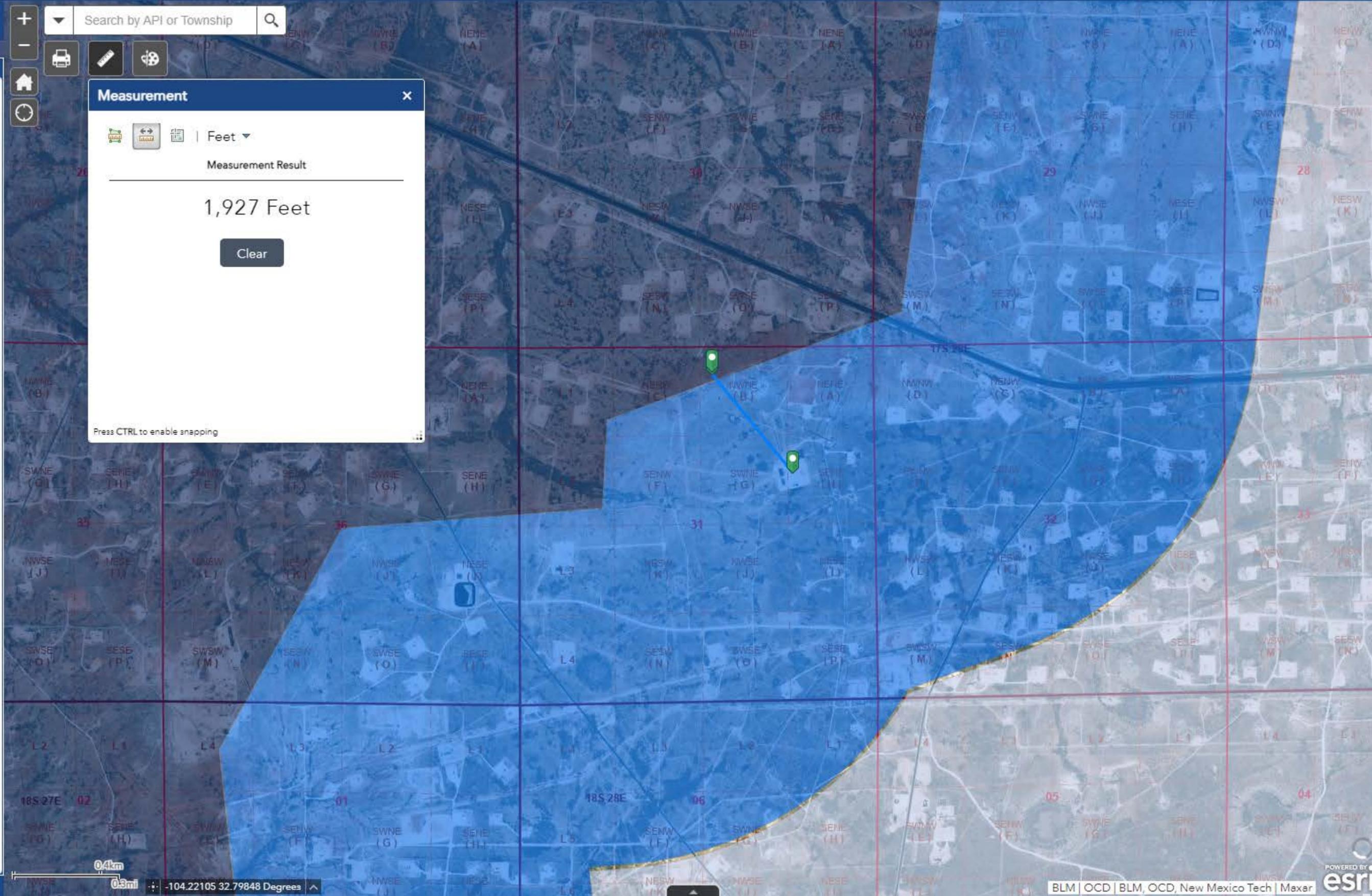
OCD District Offices

**Public Land Survey System (PLSS)**

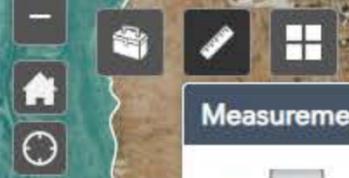
PLSS Townships

PLSS First Division

PLSS Second Division



Find address or place



**Measurement** [X]

Feet [v]

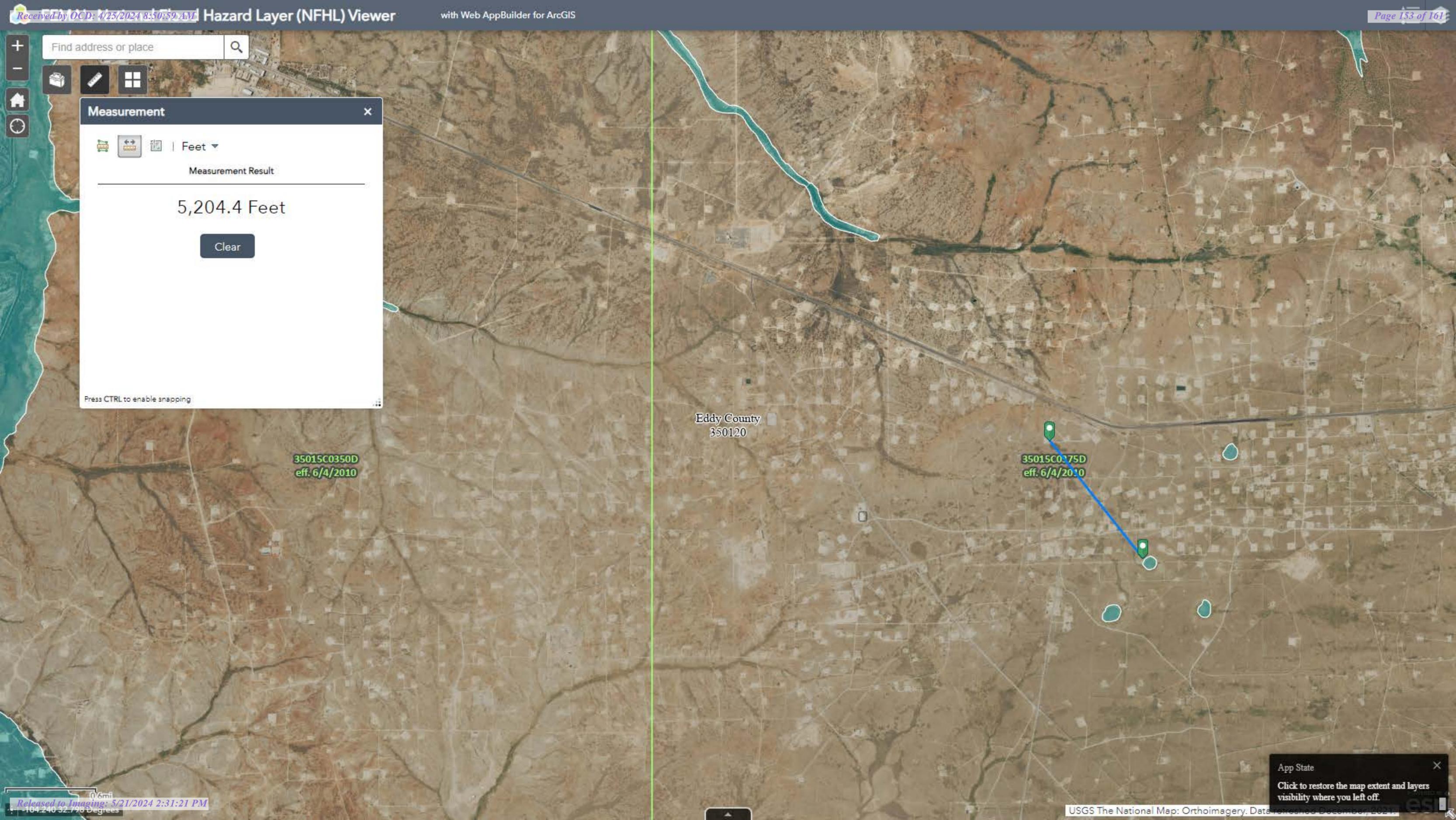
Measurement Result

---

5,204.4 Feet

Clear

Press CTRL to enable snapping



Eddy County  
350120

35015C0350D  
eff. 6/4/2010

35015C0175D  
eff. 6/4/2010

App State [X]

Click to restore the map extent and layers visibility where you left off

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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**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**

QUESTIONS

Action 337506

**QUESTIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 337506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2310834343
Incident Name	NAPP2310834343 BLALOCK 32 STATE COM TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	BLALOCK 32 STATE COM TANK BATTERY
Date Release Discovered	04/18/2023
Surface Owner	State

**Incident Details**

Please answer all the questions in this group.

Incident Type	Oil 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	Cause: Human Error   Truck   Crude Oil   Released: 26 BBL   Recovered: 20 BBL   Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	DRIVER FELL ASLEEP WHILE LOADING AND RELEASED 26 BBLs OF OIL ONTO THE LOCATION PAD

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QUESTIONS, Page 2

Action 337506

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 337506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>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.</i>	

**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	True
If all the actions described above have not been undertaken, explain why	N/A

*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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/25/2024
--	--

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 337506

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 337506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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 100 and 500 (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	Greater than 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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 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	Greater than 5 (mi.)
A wetland	Between 1 and 100 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**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)	464
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	57700
GRO+DRO (EPA SW-846 Method 8015M)	51000
BTEX (EPA SW-846 Method 8021B or 8260B)	1420
Benzene (EPA SW-846 Method 8021B or 8260B)	85.5

*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	06/13/2023
On what date will (or did) the final sampling or liner inspection occur	06/20/2023
On what date will (or was) the remediation complete(d)	06/22/2023
What is the estimated surface area (in square feet) that will be reclaimed	8000
What is the estimated volume (in cubic yards) that will be reclaimed	900
What is the estimated surface area (in square feet) that will be remediated	8000
What is the estimated volume (in cubic yards) that will be remediated	900

*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.*

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**State of New Mexico**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 337506

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 337506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/25/2024
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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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**District II**  
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 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**

QUESTIONS, Page 5

Action 337506

**QUESTIONS (continued)**

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**QUESTIONS**

**Deferral Requests Only**

*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.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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Action 337506

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
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**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>337518</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>06/13/2023</b>
What was the (estimated) number of samples that were to be gathered	<b>44</b>
What was the sampling surface area in square feet	<b>7600</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>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>8000</b>
What was the total volume (cubic yards) remediated	<b>900</b>
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>8000</b>
What was the total volume (in cubic yards) reclaimed	<b>900</b>
Summarize any additional remediation activities not included by answers (above)	<b>N/A</b>

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/25/2024
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Action 337506

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 337506

**CONDITIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 337506
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2310834343 BLALOCK 32 STATE COM TANK BATTERY, thank you. This Remediation Closure Report is approved.	5/21/2024