Remediation Summary and Soil Closure Request

Spur Energy Partners, LLC
Arkansas 23 Fee #003 Pad
Eddy County, New Mexico
Unit Letter E, Section 23, Township 19 South, Range 25 East
Latitude 32.64745 North, Longitude 104.46073 West
NMOCD Reference No. nAPP2300636521

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240

Robbie Runnels

Matthew Grieco

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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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 Arkansas 23 Fee #003 Pad (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.64745 Longitude: -104.46073

Provided GPS are in WGS84 format.

Site Name:	Arkansas 23 Fee #003 Pad	Site Type:	Pumping Unit
Date Release Discovered:	1/5/2023	API # (if applicable):	30-015-40192

Unit Letter	Section	Township	Range	County
E	23	19S	25E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name SANTO LEGADO LLC & MARIGOLD LLP & TULPAN LLC)

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 14
[X] Produced Water	Volume Released (bbls) 3	Volume Recovered (bbls) 2
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[ ] Yes [X] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Stuffing box packing leaked oil and produced water mix onto pad.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] 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.

A variance request to use the depth to groundwater measurement of 82 feet from NMOSE well RA-13210-POD1 was issued by Spur Energy Partners, LLC, and accepted by the NMOCD. The regulatory correspondence for the request and approval is provided as Appendix E.

What is the shallowest depth to groundwater beneath the area affected by the release?	82 Feet
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

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*‡
82 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	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	100	100
	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 I, 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 INITIAL SITE ASSESSMENT

On March 29, 2023, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores 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 (VOCs) utilizing visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, fourteen (14) delineation soil samples (eight horizontal and six vertical) were submitted to a certified, commercial laboratory (henceforth, “the laboratory”) for analysis of BTEX, TPH, and chloride. Laboratory results indicate the concentrations of BTEX, TPH and chloride were below the reclamation standard set by the NMOCD for the east horizontal delineation soil samples (EH-1 @ surface, EH - 1 @ 1FT), the north horizontal delineation soil samples (NH - 1 @ Surf, NH - 1 @ 1FT), the south horizontal delineation soil samples (SH - 1 @ Surf, SH - 1 @ 1FT), and the west horizontal delineation soil samples (WH - 1 @ Surf, WH - 1 @ 1FT).

Vertical delineation was achieved when analytical results indicated that hand auger point HA – 1FT was advanced to 1’ below ground surface (bgs) and the concentrations of BTEX and TPH were below the method detection limit (MDL). Chloride concentration was at 64.0 mg/kg. Hand auger points 2 and 3 (HA 2 @ 2FT, HA 3 @ 2FT) were advanced to 2’ bgs where the concentration of BTEX and TPH were below the MDL for HA 2 @ 2FT and HA 3 @ 2FT. Chloride concentrations were 192 mg/kg and 160 mg/kg respectively.

5.0 REMEDIATION ACTIVITIES SUMMARY

On June 7, 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 floors 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 8, 2023, Etech collected seventeen (17) confirmation soil samples (FL 1 @ 8", FL 2 @ 8", FL 3 @ 8", FL 4 @ 8", FL 5 @ 8", FL 6 @ 8", FL 7 @ 8", FL 8 @ 8", FL 9 @ 8", EW 1, NW 1, NW 2, NW 3, SW 1, SW 2, SW 3, 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, TPH, and chloride concentrations were below the NMOCD Closure Criteria in all of the submitted soil samples.

A site and sample location map is provided as Figure 3 Laboratory analytical results of collected soil samples are summarized in Table 1. Field data is provided as Appendix B. Laboratory analytical reports are provided as Appendix C.

The final dimensions of the excavated area around the wellhead were approximately 45 feet in length, twenty (20) to sixty (60) feet in width and eight (8) inches in depth. The final dimensions of the excavated area at the northeast corner of the pad were approximately forty (40) feet in length, fifteen (15) to 35 feet in width, and eight (8) inches in depth.

During the course of remediation activities, approximately 120 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

On April 5, 2024, Etech collected eight (8) horizontal soil samples from four (4) specific locations (NH-2, EH-2, WH-2, SH-2). Each horizontal was sampled at the surface as well as at one foot bgs. The collected horizontal soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that the concentrations of BTEX, TPH, and chloride were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. The "clean" soil samples confirm that horizontal delineation for the entire release had been achieved.

6.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with 120 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 affected areas were entirely on the production pad, no reseeding will be required.

7.0 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 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 Arkansas 23 Fee #003 Pad site.

8.0 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.

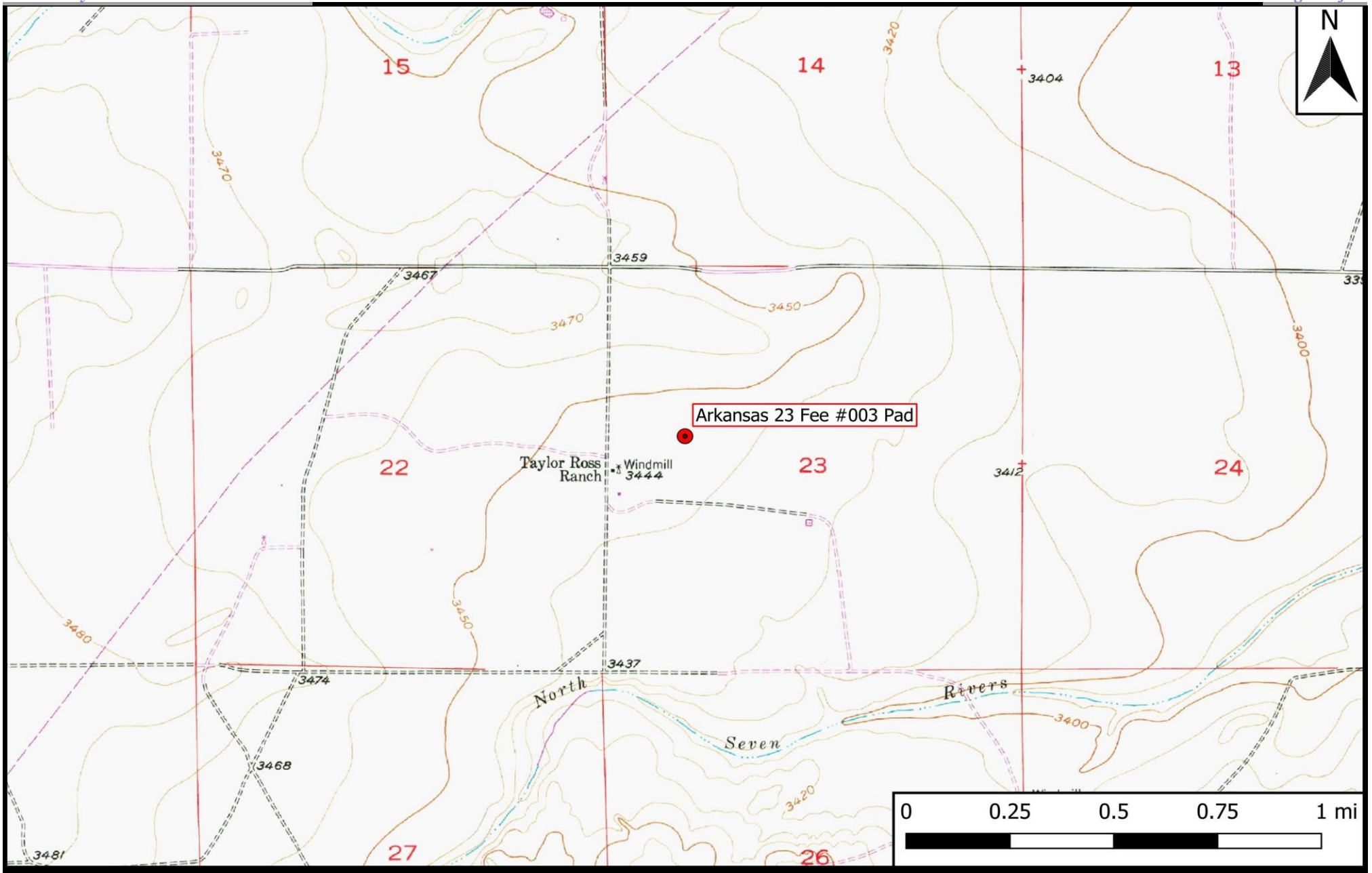
9.0 DISTRIBUTION

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

Arkansas 23 Fee #003 Pad

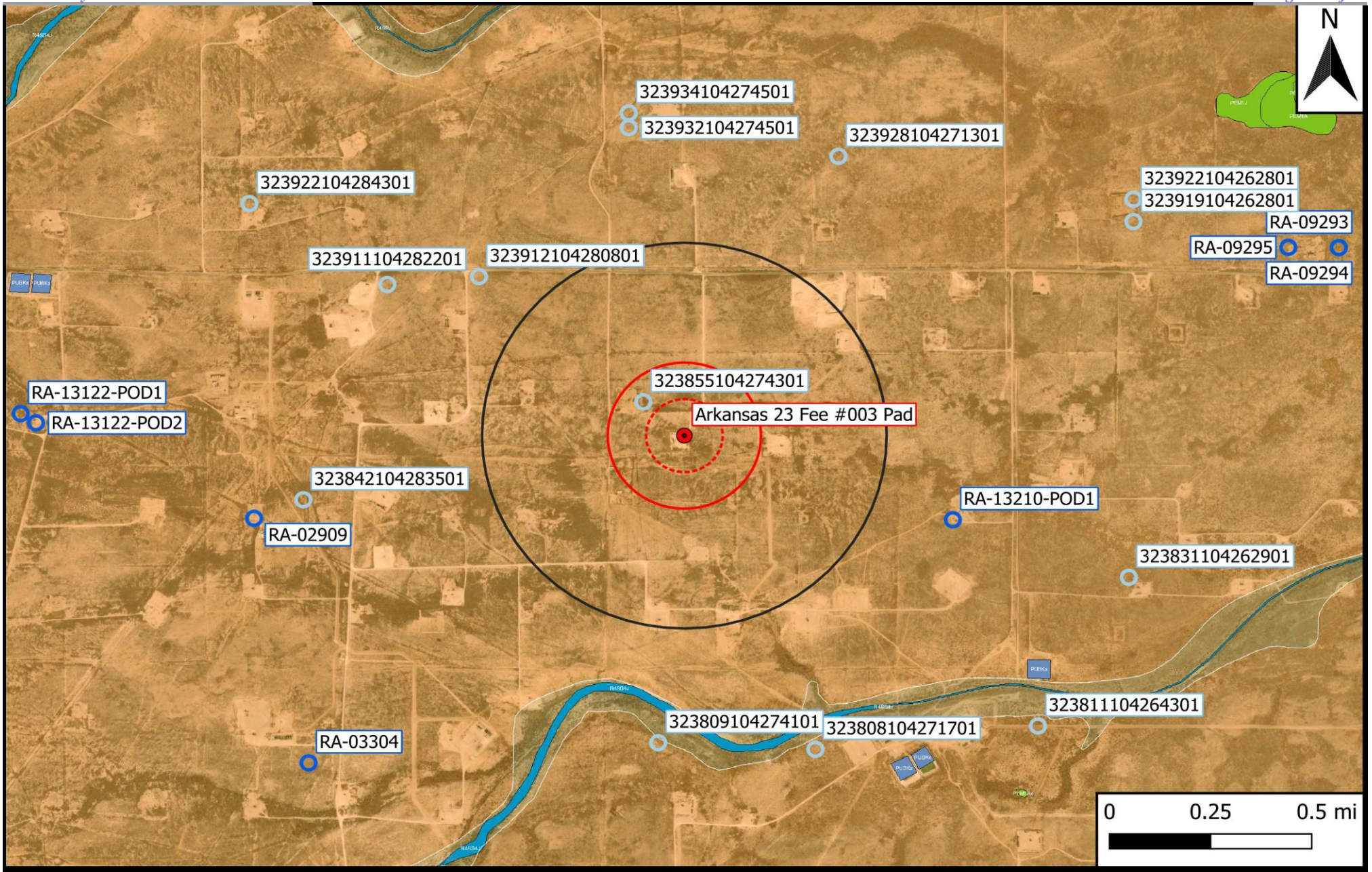
GPS: 32.64745, -104.46073

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 3/8/23

Figure 2
Aerial Proximity Map



Legend

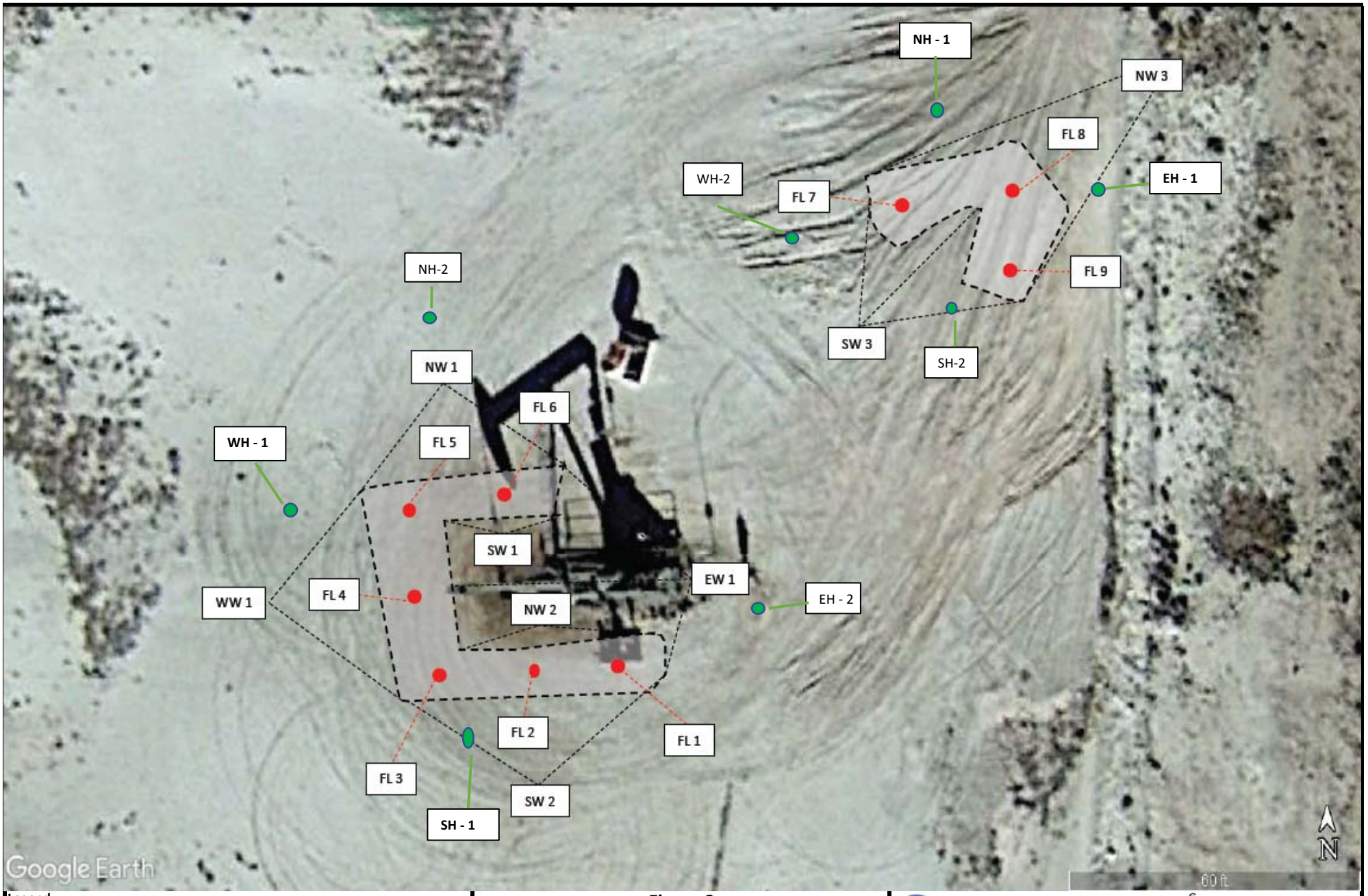
- Site Location
- Well - NMOSE
- Well - USGS
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Proximity Map
Spur Energy Partners, LLC
Arkansas 23 Fee #003 Pad
GPS: 32.64745, -104.46073
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 3/8/23

Figure 3
Site and Sample Location Map



Legend:

- Sample Point
- Horizontal Delineation Sample Point
- Excavated Area

Figure 3

Site and Sample Location Map

Spur Energy Partners, LLC

Arkansas 23 Fee #003 Pad

GPS: 32.64745, -104.46073

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 4/15/24

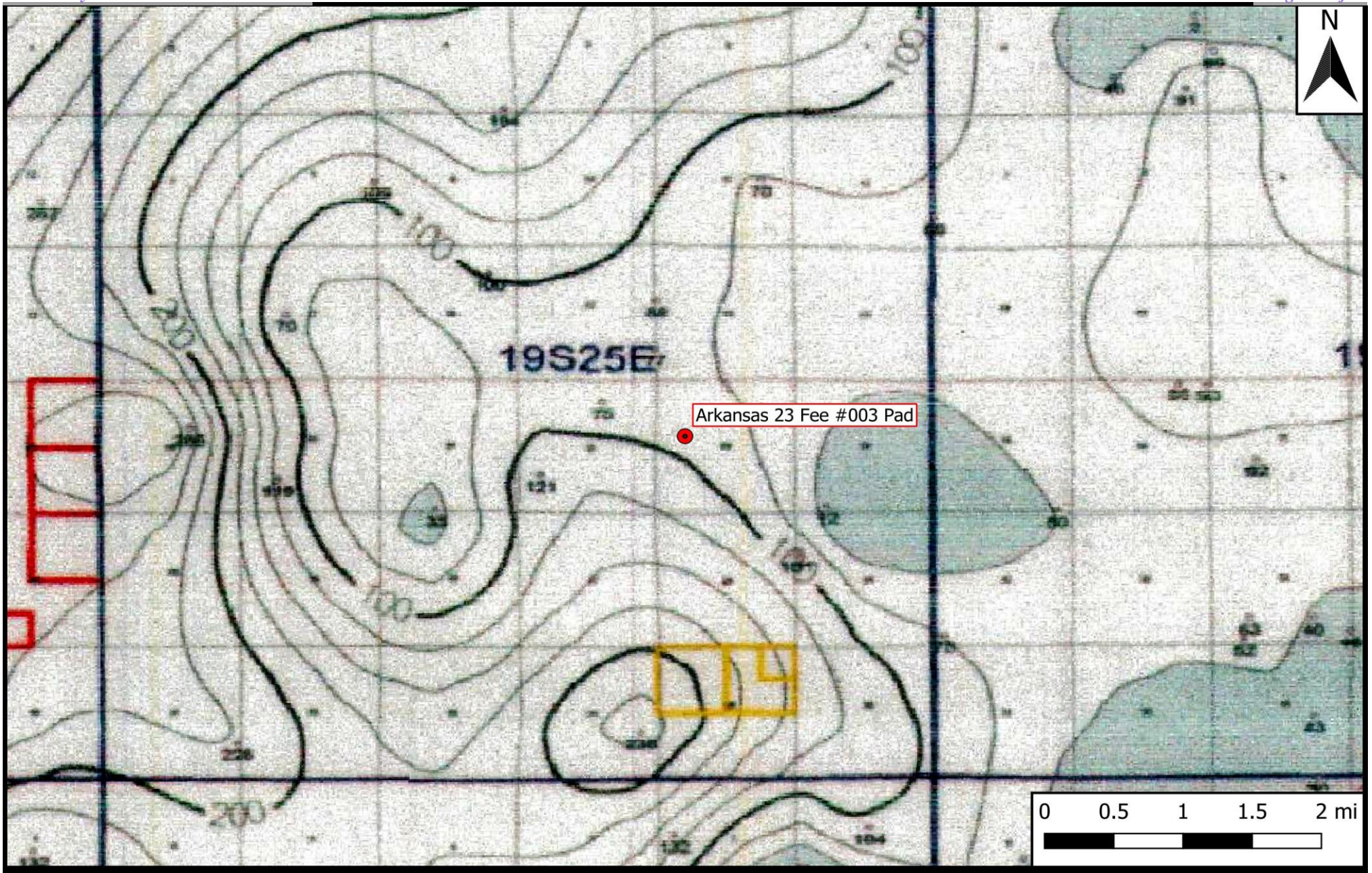
Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Arkansas 23 Fee #003 Pad
NMOCD Ref. #: nAPP2300636521

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
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_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation Sample Results											
EH - 1 @ Surf	3/29/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EH - 1 @ 1FT	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
NH - 1 @ Surf	3/29/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NH - 1 @ 1FT	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SH - 1 @ Surf	3/29/2023	0	In-Situ	<0.050	<0.300	<10.0	25.8	25.8	<10.0	25.8	240
SH - 1 @ 1FT	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH - 1 @ Surf	3/29/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH - 1 @ 1FT	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
HA 2 @ Surf	3/29/2023	0	Excavated	<0.050	<0.300	<100	33,500	**33,500**	9,390	**42,900**	5,840
HA 2 @ 2FT	3/29/2023	2	In-Situ	<0.050	<0.300	<10.0	10.5	10.5	<10.0	10.5	192
HA 3 @ Surf	3/29/2023	0	Excavated	<0.050	<0.300	<100	25,000	**25,000**	6,440	**31,400**	224
HA 3 @ 2FT	3/29/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
HA - 1 @ Surf	3/29/2023	0	Excavated	<0.050	<0.300	<10.0	1,070	**1,070**	304	1,370	1,880
HA - 1 @ 1FT	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
Confirmation Sample Results											
FL 1 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 2 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	10.3	10.3	<10.0	10.3	496
FL 3 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 4 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
FL 5 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	99.2	99.2	44.7	144	944
FL 6 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,710
FL 7 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,400
FL 8 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 9 @ 8"	6/8/2023	0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
EW 1	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
NW 1	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
NW 2	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520
NW 3	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW 1	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW 2	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,570
SW 3	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,550
WW 1	6/8/2023	0-0.67	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,460
NH-2 @ Surf	4/5/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
NH-2 @ 1'	4/5/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EH-2 @ Surf	4/5/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
EH-2 @ 1'	4/5/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SH-2 @ Surf	4/5/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
SH-2 @ 1'	4/5/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
WH-2 @ Surf	4/5/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
WH-2 @ 1'	4/5/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160

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

Arkansas 23 Fee #003 Pad

GPS: 32.64745, -104.46073

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 3/8/23

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	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 13210 POD1		RA	ED	3	2	4	23	19S	25E	551644	3611983	1124	101	82	19

Average Depth to Water: **82 feet**

Minimum Depth: **82 feet**

Maximum Depth: **82 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 550576 **Northing (Y):** 3612332.72 **Radius:** 1610

3/8/23 1:44 PM

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)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 13210 POD1	3	2	4	23	19S	25E	551644	3611983

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE D. ATKINS

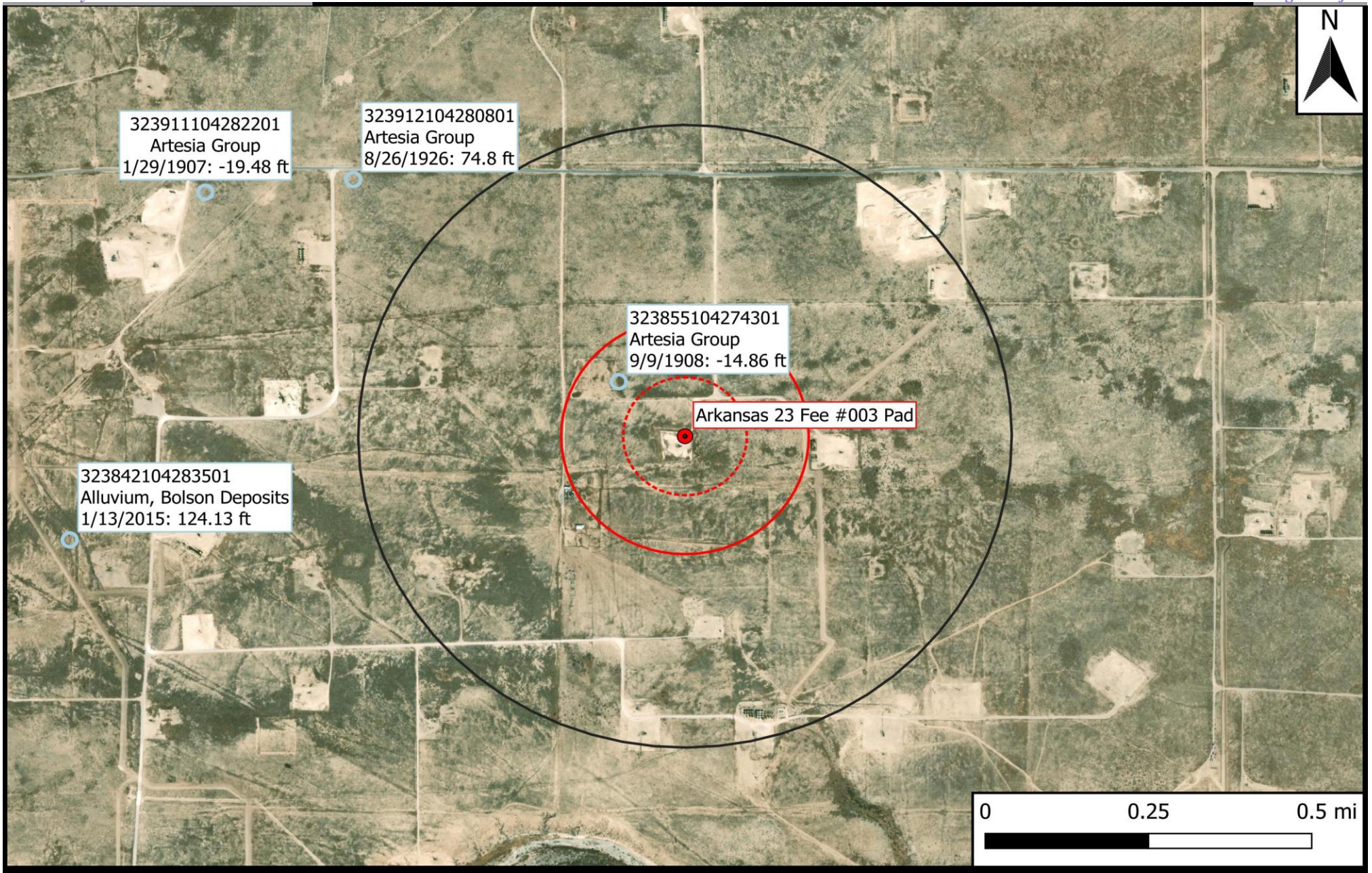
Drill Start Date: 07/12/2022 **Drill Finish Date:** 07/12/2022 **Plug Date:** 07/14/2022

Log File Date: 08/29/2022 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 101 feet **Depth Water:** 82 feet

Water Bearing Stratifications:	Top	Bottom	Description
	59	101	Shale/Mudstone/Siltstone



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
Arkansas 23 Fee #003 Pad
GPS: 32.64745, -104.46073
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 3/8/23

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323855104274301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

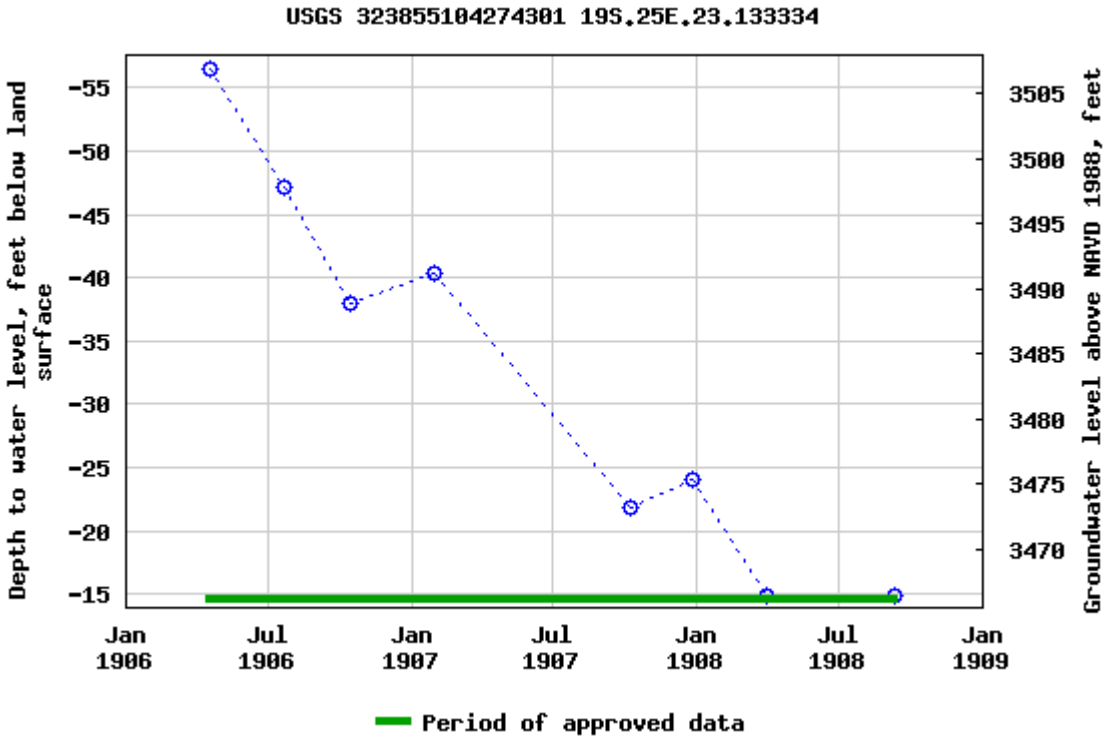
USGS 323855104274301 19S.25E.23.133334

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'55", Longitude 104°27'43" NAD27
Land-surface elevation 3,451 feet above NAVD88
The depth of the well is 366 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2023-03-08 15:26:33 EST
0.68 0.51 nadww01

Appendix B
Field Data

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project: Arkansas 23 Fee #003 Pad

Project Number: 17742 Latitude: 32.64745 Longitude: -104.46073

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1 @ 8"	—	3.0	
FL2 @ 8"	—	3.6	
FL3 @ 8"	—	4.0	
FL4 @ 8"	—	4.8	
FL5 @ 8"	—	5.2	
FL6 @ 8"	—	4.8	
FL7 @ 8"			
FL8 @ 8"			
FL9 @ 8"			
EW1			
WW1			
NW1			
NW2			
NW3			
SW1			
SW2			
SW3			

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

March 31, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ARKANSAS 23 #003 PAD

Enclosed are the results of analyses for samples received by the laboratory on 03/29/23 16:49.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: NH - 1 @ SURFACE (H231454-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**144**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	QM-07, QR-03
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	QM-07
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: NH - 1 @ 1FT (H231454-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**160**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: EH - 1 @ SURFACE (H231454-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**160**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *99.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: EH - 1 @ 1FT (H231454-04)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**176**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *99.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: SH - 1 @ SURFACE (H231454-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**240**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	**25.8**	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *99.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: SH - 1 @ 1FT (H231454-06)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**144**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: WH - 1 @ SURFACE (H231454-07)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *97.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: WH - 1 @ 1FT (H231454-08)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**144**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA - 1 @ SURFACE (H231454-09)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**1880**	16.0	03/31/2023	ND	416	104	400	0.00	

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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	**1070**	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	**304**	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *151 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA - 1 @ 1FT (H231454-10)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**64.0**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA 2 @ SURFACE (H231454-11)

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	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	**0.075**	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**5840**	16.0	03/31/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	**33500**	100	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	**9390**	100	03/30/2023	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *1040 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA 2 @ 2FT (H231454-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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
Chloride	**192**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	**10.5**	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA 3 @ SURFACE (H231454-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**224**	16.0	03/31/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	**25000**	100	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	**6440**	100	03/30/2023	ND					

Surrogate: 1-Chlorooctane *128 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *740 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ECHO PRODUCTION - LEA CO NM		

Sample ID: HA 3 @ 2FT (H231454-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.87	93.6	2.00	9.02	
Toluene*	<0.050	0.050	03/30/2023	ND	1.93	96.7	2.00	7.65	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	2.00	100	2.00	7.39	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.29	105	6.00	5.30	
Total BTEX	<0.300	0.300	03/30/2023	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	**160**	16.0	03/31/2023	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	03/30/2023	ND	213	107	200	4.54	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	214	107	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane *96.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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.	**BILL TO**	
Project Manager:		**P.O. #:**	
Address:	P.O. Box 301	**Company:**	
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	Arkansas 237003 Pad	**State:** **Zip:**	
Project Location:		**Phone #:**	
Sampler Name:		**Fax #:**	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)															
H23145 4																															
1	NH-1@Surface	G	1										3-29-23																		
2	NH-1@1Ft	G	1																												
3	EH-1@Surface	G	1																												
4	EH-1@1Ft	G	1																												
5	SH-1@Surface	G	1																												
6	SH-1@1Ft	G	1																												
7	~~WH-1@Surface~~ WH-1@surf	G	1																												
8	~~WH-1@1Ft~~ WH-1@1'	G	1																												
9	~~HA-1@Surface~~ HA-1@surf	G	1																												
10	~~HA-1@1Ft~~ HA-1@1'	G	1																												

* SR 3/30/23

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 consequental 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:	**Date:**	**Received By:**		Phone Result: ☐ Yes ☐ No	Add'l Phone #:
	Time:	Jose Cardona		Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	**Date:** 3-29-23	**Received By:**		REMARKS:	
Jose Cardona	**Time:** 1649			*customer requested sample name changes + added 24 HR RUSH!	
Delivered By: (Circle One)			**Sample Condition**	**CHECKED BY:**	Please email results to pm@etechenv.com.
Sampler - UPS - Bus - Other:	#113		Cool: ☑ Yes ☐ No	Intact: ☐ Yes ☐ No	(Initials)
	5.6c / 5.0c				

SR 3/30/23

FORM-006
Revision 1.0

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

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.	**BILL TO**	
Project Manager:		**P.O. #:**	
Address:	P.O. Box 301	**Company:**	
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	**Project Owner:**	**City:**	
Project Name:	Arkansas 23 Fee #003 Pad	**State:** **Zip:**	
Project Location:		**Phone #:**	
Sampler Name:		**Fax #:**	

FOR LAB USE ONLY				MATRIX							PRESERV.		SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H231454																	
11	HA2a surface	G	1			X							3-24-23				
~~12~~	~~HA2a 1ft~~	G	1														
13	HA2a 2ft	G	1														
14	HA3a surface	G	1			X											
15	~~HA3 1ft~~ HA-3@2'	G	1			X											

NO sample

*SR 3/30/23

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:	**Date:**	**Received By:**	Jose Cardona
	Time:		
Relinquished By:	**Date:** 3-29-23	**Received By:**	Tamara Maldonado
Jose Cardona	**Time:** 1649		
Delivered By: (Circle One)		**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** TM
Sampler - UPS - Bus - Other:	5.6°C / 5.0 #113		

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS: * customer requested sample name changes + to remove sample #12 from C.O.C. also added 24 HR RUSH!
Please email results to pm@etechenv.com.

SRodriguez 3/30/23

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

June 12, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ARKANSAS 23 FEE #003 PAD

Enclosed are the results of analyses for samples received by the laboratory on 06/09/23 8:42.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 1 @ 8'' (H232959-01)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**336**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 2 @ 8" (H232959-02)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**496**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	**10.3**	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 3 @ 8" (H232959-03)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *97.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 4 @ 8" (H232959-04)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1170**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *93.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.4 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 5 @ 8" (H232959-05)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**944**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	**99.2**	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	**44.7**	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *97.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 6 @ 8" (H232959-06)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1710**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *92.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.9 %* *49.1-148*

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Analytical Results For:

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ZACH CONDER
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 7 @ 8" (H232959-07)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1400**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *82.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.9 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 8 @ 8" (H232959-08)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1090**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *71.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.4 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: FL 9 @ 8" (H232959-09)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1440**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *96.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.4 %* *49.1-148*

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CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: NW 1 (H232959-10)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1880**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *88.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.5 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: NW 2 (H232959-11)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1520**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *95.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.8 %* *49.1-148*

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: NW 3 (H232959-12)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**352**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	205	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	207	104	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.2 %* *49.1-148*

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Analytical Results For:

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ZACH CONDER
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: EW 1 (H232959-13)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1120**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/12/2023	ND	201	100	200	5.92	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	200	100	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.1 %* *49.1-148*

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Analytical Results For:

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ZACH CONDER
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: SW 1 (H232959-14)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/12/2023	ND	201	100	200	5.92	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	200	100	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: SW 2 (H232959-15)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1570**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/12/2023	ND	201	100	200	5.92	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	200	100	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane *91.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: SW 3 (H232959-16)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	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	**1550**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/12/2023	ND	201	100	200	5.92	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	200	100	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane *127 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/09/2023	Sampling Date:	06/08/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #003 PAD	Sampling Condition:	Cool & Intact
Project Number:	17742	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

Sample ID: WW 1 (H232959-17)

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	06/09/2023	ND	2.27	113	2.00	2.63	
Toluene*	<0.050	0.050	06/09/2023	ND	2.23	112	2.00	2.41	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.22	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.69	112	6.00	0.712	
Total BTEX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1460**	16.0	06/09/2023	ND	448	112	400	7.41	

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	06/09/2023	ND	201	100	200	5.92	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	200	100	200	5.41	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *55.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *54.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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.	**BILL TO**	
Project Manager:	Zach Conder	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Spur
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Kathy Purvis
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	17142 **Project Owner:** Spur	**City:**	
Project Name:	Arkansas 23 Fee #003 Pad	**State:**	**Zip:**
Project Location:	Rural Eddy co., NM	**Phone #:**	
Sampler Name:	Miguel Ramirez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H23959																	
1	FL 1 @ 8"	C	1			X					X		6/8/23	9:00	X	X	X
2	FL 2 @ 8"	C	1			X					X		6/8/23	9:20	X	X	X
3	FL 3 @ 8"	C	1			X					X		6/8/23	9:40	X	X	X
4	FL 4 @ 8"	C	1			X					X		6/8/23	10:00	X	X	X
5	FL 5 @ 8"	C	1			X					X		6/8/23	10:20	X	X	X
6	FL 6 @ 8"	C	1			X					X		6/8/23	10:40	X	X	X
7	FL 7 @ 8"	C	1			X					X		6/8/23	11:00	X	X	X
8	FL 8 @ 8"	C	1			X					X		6/8/23	11:20	X	X	X
9	FL 9 @ 8"	C	1			X					X		6/8/23	11:40	X	X	X
10	NWL	C	1			X					X		6/8/23	12:00	X	X	X

Relinquished By:	**Date:** 6.9.23	**Received By:**	
	Time: 0842		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One) -11.0°C -0.6°C
Sampler - UPS - Bus - Other: -11.6°C #113

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☐ Yes ☐ No	☐ Yes ☐ No	SR

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

Rush Pens
Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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.	**BILL TO**	
Project Manager:	Zach Conder	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Spur
City:	Lovington	**State:** NM **Zip:** 88260	**Attn:** Kathy Purvis
Phone #:	(575) 396-2378	**Fax #:** (575) 396-1429	**Address:**
Project #:	17742	**Project Owner:** Spur	**City:**
Project Name:	Arkansas 23 Fee #003 Pad		**State:** **Zip:**
Project Location:	Rural Eddy Co, NM		**Phone #:**
Sampler Name:	Miguel Ramirez		**Fax #:**

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H233959																	
11	NW2	C	1			X					X		6/8/23	12:20	X	X	X
12	NW3	C	1			X					X		6/8/23	12:40	X	X	X
13	EW1	C	1			X					X		6/8/23	1:00	X	X	X
14	SW1	C	1			X					X		6/8/23	1:20	X	X	X
15	SW2	C	1			X					X		6/8/23	1:40	X	X	X
16	SW3	C	1			X					X		6/8/23	2:00	X	X	X
17	WW1	C	1			X					X		6/8/23	2:20	X	X	X

Relinquished By:	**Date:** 6.9.23 **Time:** 0842	**Received By:**	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -11.0 : 1C-0.6 -11.6 : #113	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** SR	**REMARKS:** Rush Please. Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

Appendix D
Photographic Log

Photographic Log

Photo Number: 1 **Photo Direction:** Southwest **Photo Description:** View of impacted area.	

Photo Number: 2 **Photo Direction:** Northwest **Photo Description:** View of impacted area.	

Photographic Log

Photo Number: 3 **Photo Direction:** East **Photo Description:** View of impacted area.	

Photo Number: 4 **Photo Direction:** Southeast **Photo Description:** View of impacted area.	

Photographic Log

Photo Number: 5	
Photo Direction: Northeast	
Photo Description: View of excavated area.	

Photo Number: 6	
Photo Direction: West	
Photo Description: View of excavated area.	

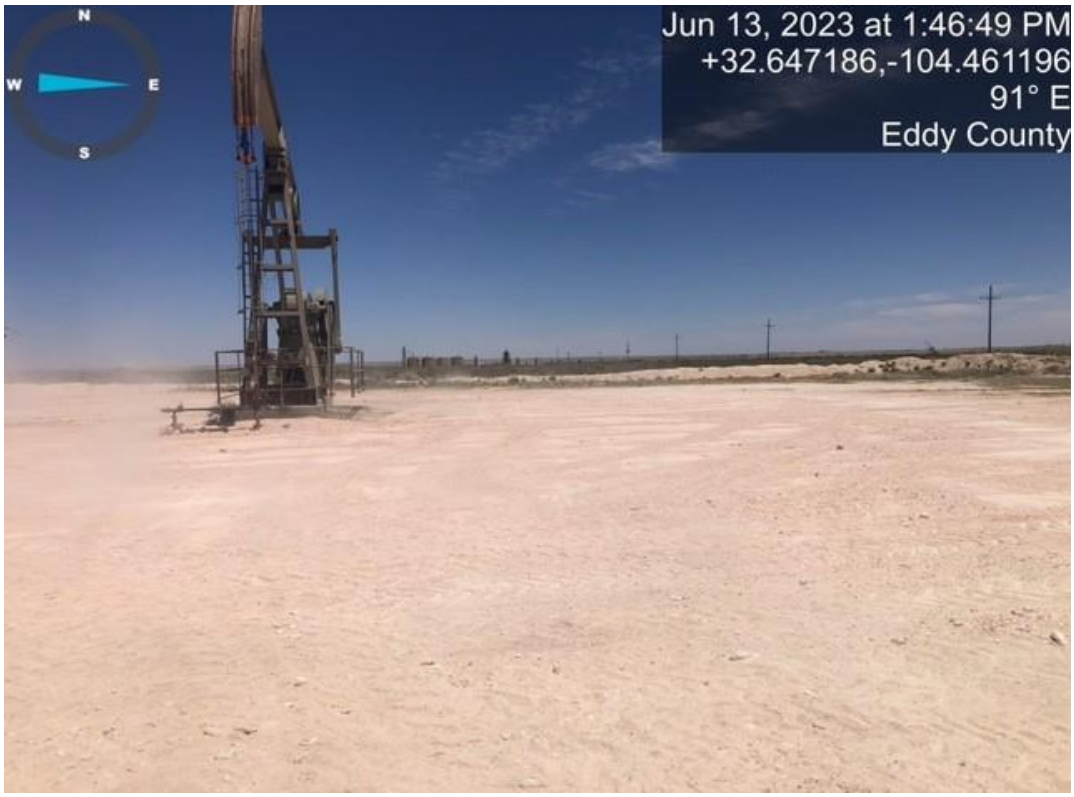
Photographic Log

Photo Number: 7	
Photo Direction: Southwest	
Photo Description: View of excavated area.	

Photo Number: 8	
Photo Direction: Northeast	
Photo Description: View of excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: Southwest	
Photo Description: View of remediated area after backfill and grading.	

Photo Number: 10	
Photo Direction: East	
Photo Description: View of remediated area after backfill and grading.	

Photographic Log

Photo Number: 11	
Photo Direction: Northeast	
Photo Description: View of remediated area after backfill and grading.	

Photo Number: 12	
Photo Direction: Northeast	
Photo Description: View of remediated area after backfill and grading.	

Appendix E
Regulatory Correspondence

From: Bratcher, Michael, EMNRD
To: Katherine Purvis
Cc: Braidy Moulder; Todd Mucha; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] nAPP2300636521 - Arkansas 23 Fed #003 Pad - Depth to Groundwater/NMOCD Siting Packet
Date: Friday, May 12, 2023 7:12:30 AM
Attachments: image001.png

Kathy,

Somehow this email wound up going to junk mail folder, so I am just now seeing it. My apologies for that, not sure why it wound up there. Anyway, you are approved for the variance request to use the well set just outside of the ½ mile criteria. I will make a note in the project's main page, but mention this approval in the closure report and include a copy of this email as well.

Thank you,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Katherine Purvis <katherine.purvis@spurenergy.com>
Sent: Tuesday, April 25, 2023 10:28 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Braidy Moulder <bmoulder@spurenergy.com>; Todd Mucha <Todd@spurenergy.com>
Subject: [EXTERNAL] nAPP2300636521 - Arkansas 23 Fed #003 Pad - Depth to Groundwater/NMOCD Siting Packet

Please find attached an NMOCD Siting information Packet that I asked Etech to prepare for the Arkansas 23 Fee 003 Pad reportable release Site. Based on an initial review of available resources the Site should qualify for a 10,000 ppm chloride closure. The only problem is the most representative well is approximately .69 Mi east southeast of the Site just outside the preferred 0.50 Mi radius. The good thing is that Spur installed that well in 2022 so it relatively new and we know the data is accurate because it is ours.

You might also notice two really, really old USGS wells toward the northwest suggesting groundwater is -14.86 and -19.48 ft. bgs. These are Artesian Wells drilled past 300 ft. into the Artesia

Group. I took a deeper look at 323912104280801 to see if it had been mistakenly labeled as Artesia Group since it didn't exhibit a similar hydrostatic head. It was determined that closer toward the turn of the century it too had a similar hydraulic head and has since "lost pressure" if you will. This makes me think that if you were able to find 323855104274301 (last gauged in 1908) and gauge it today that it would gauge at > 50 ft.

We would like to complete the work "At Risk" using a 10,000/2,500 part closure and submit a Closure for your consideration but I wanted to find out first if you would be receptive to allowing us to use the depth to groundwater determination well Atkins drilled for Spur in 2022 for nAPP2215340726 approximately 0.69 Mi east-southeast of the Site. I am hearing mixed things about water wells/distances but I am curious to see if we could get a *Variance* for releases just outside ½ Mi. Hopefully the recent nature of this data offsets it's distance.

Can we please set up a time to discuss this further over the phone?

Kathy Purvis
EHS Coordinator
(575) 441-8619

Robbie Runnels

From: OCDOnline@state.nm.us
Sent: Wednesday, April 3, 2024 2:12 PM
To: Robbie Runnels
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 329626

To whom it may concern (c/o Robbie Runnels for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2300636521.

The sampling event is expected to take place:

When: 04/05/2024 @ 07:00
Where: E-23-19S-25E 0 FNL 0 FEL (32.64745,-104.46073)

Additional Information: Robbie Runnels 432-282-9143 robbie@etechenv.com

Additional Instructions: From the intersection of US Hwy 285 and Co Rd 21 (GPS: 32.655952, -104.395550), head W on Co Rd 21 for 3.77 mi, then S for 0.36 mi,
then W for 0.03 mi, then S for 0.06 mi, then SW for 0.01 mi to arrive at the release area (GPS: 32.64745, -104.46073).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Electronic C-141 Supplemental Documentation

Spur Energy Partners, LLC
Arkansas 23 Fee #003 Pad
Eddy County, New Mexico
Unit Letter E , Section 23, Township 19 South, Range 25 East
Latitude 32.64745 North, Longitude 104.46073 West
NMOCD Reference No. nAPP2300636521

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240

Robbie Runnels

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

1.0 ELECTRONIC SAMPLING NOTIFICATION

Date of first excavation confirmation soil sample collection:	3/29/2023
Total area sampled (sq. ft.):	2,000
Total number of excavation confirmation soil samples:	17
Primary sample technician:	Jose Calderon
Contact information of primary sample technician:	josec@etechenv.com

Driving directions to Site:

From the intersection of US Hwy 285 and Co Rd 21 (GPS: 32.655952, -104.395550), head W on Co Rd 21 for 3.77 mi, then S for 0.36 mi, then W for 0.03 mi, then S for 0.06 mi, then SW for 0.01 mi to arrive at the release area (GPS: 32.64745, -104.46073).

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)?

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

Between 75 and 100 (ft.)

What method was used to determine the depth to groundwater?

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.

NM OSE iWaters Database

Did this release impact groundwater or surface water?

Please reference the attached C-141 Closure Report.

No

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?

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

½ to 1 (mi.)

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

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

1 to 5 (mi.)

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

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

500 to 1000 (ft.)

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

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

500 to 1000 (ft.)

Any other fresh water well or spring?

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

500 to 1000 (ft.)

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

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

> 5 (mi.)

A wetland?

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

1 to 5 (mi.)

A subsurface mine?

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

> 5 (mi.)

A (non-karst) unstable area?

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

1 to 5 (mi.)

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

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

Medium

A 100-year floodplain

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

½ to 1 (mi.)

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

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

No

3.0 SUPPLEMENTAL REMEDIATION PLAN ANSWERS

Requesting a remediation plan approval with this submission? *Answer yes to this question if you are uploading a C-141 Workplan or a C-141 Closure (at-risk closure)*	**Yes**
Have the lateral and vertical extents of contamination been fully delineated? *Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.*	**Yes**
Was this release entirely contained within a lined containment area? *Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.*	**No**

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

Chloride (EPA 300.0 or SM4500 CL b)	**5,840**
TPH (GRO + DRO +MRO) (EPA SW-846 Method 8015M)	**42900**
GRO+DRO (EPA SW-846 Method 8015M)	**33500**
BTEX (EPA SW-846 Method 8021B or 8260B)	**<.300**
Benzene (EPA SW-846 Method 8021B or 8260B)	**<0.050**

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?	**6/8/2023**
On what date did, or will the final sampling or liner inspection occur?	**4/5/2024**
On what date will (or was) the remediation complete(d).	**6/8/2023**

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?	**59850**
What is the estimated volume (in cy) that has or will *eventually* be reclaimed?	**1500**
What is the estimated surface area (in sq. ft.) that has or will be remediated?	**1800**
What is the estimated volume (in cy) that has or will be remediated?	**50**

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)

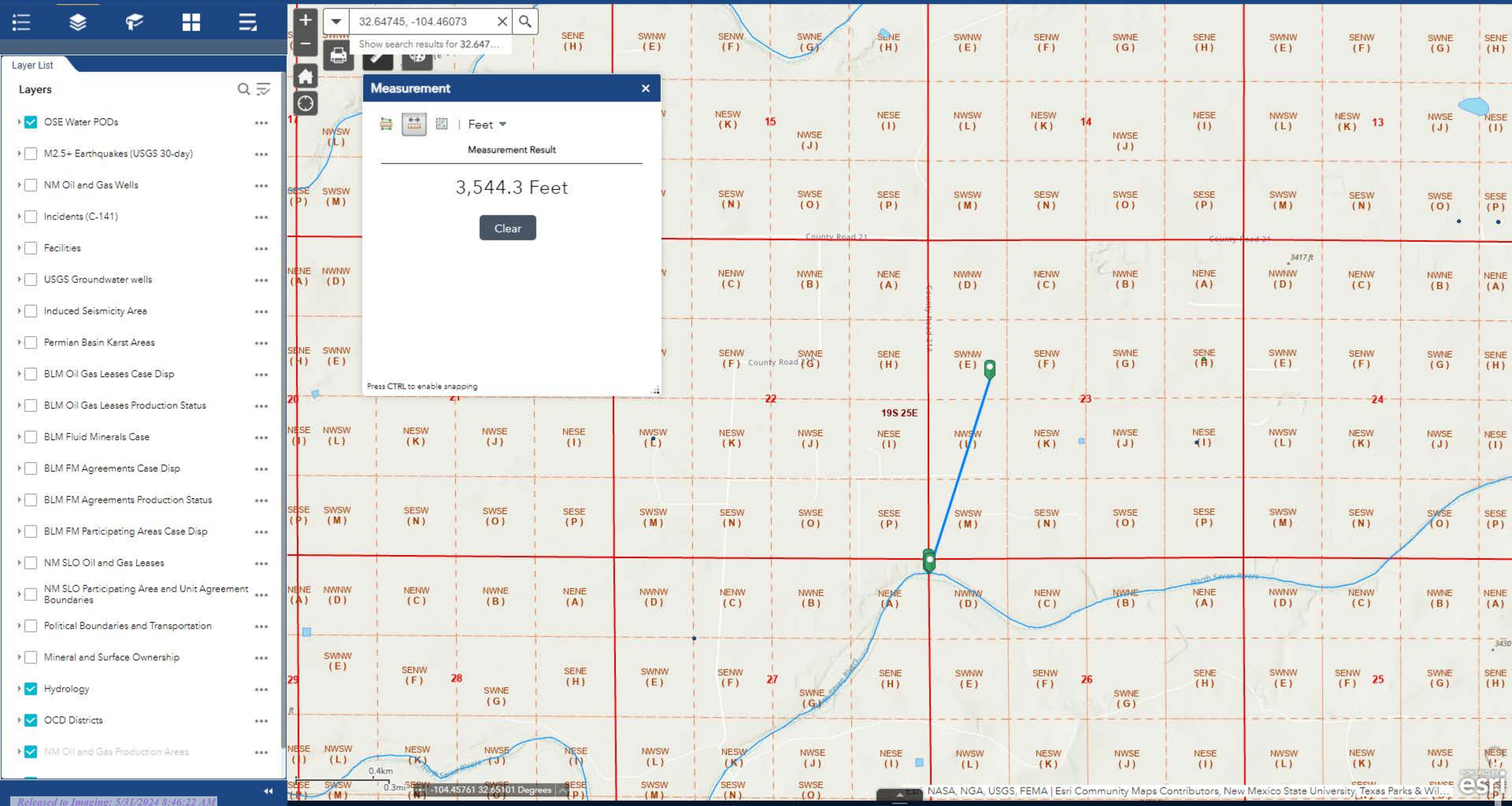
Are you requesting a deferral of remediation closure due date with the approval of this submission?	**No**
Have the lateral and vertical extents of contamination been fully delineated?	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause 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 heath, the environmental or groundwater:	

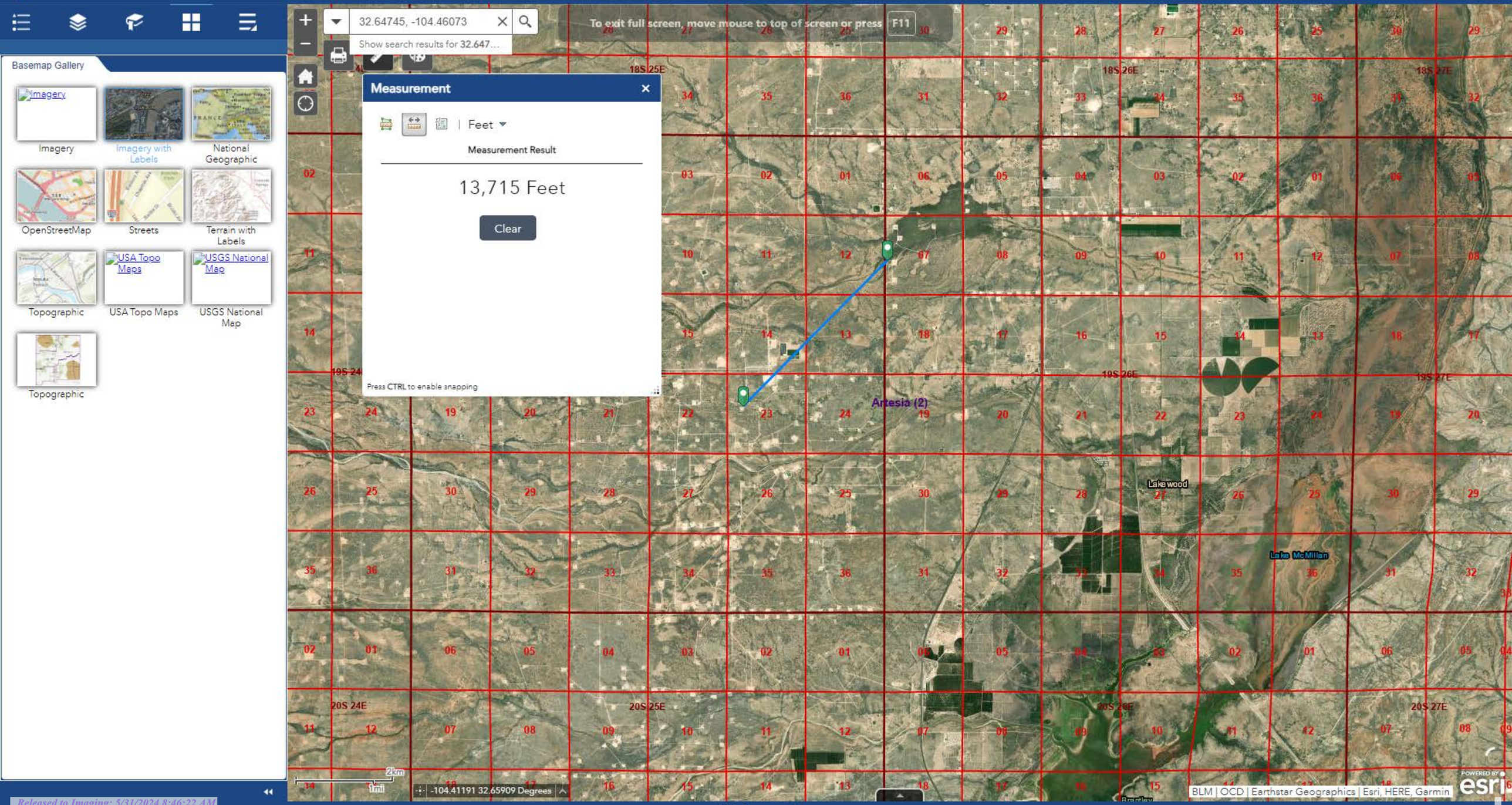
5.0 SUPPLEMENTAL REMEDIATION CLOSURE REQUEST ANSWERS

Not to be used if a deferral is being requested.

Requesting a remediation closure approval with this submission? *Note: an electronic sampling notification or electronic liner inspection notice before proceeding past this step.*	**Yes**
Have the lateral and vertical extents of contamination been fully delineated?	**Yes**
Was the release entirely contained within a lined containment area? *Note: you must have done an electronic sampling notification before proceeding past this step.*	**No**
What was the total surface area (sq. ft.) remediated?	**1800**
What was the total volume (cy) remediated?	**50**
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?	**1800**
What was the total volume (cy) reclaimed?	**50**

Summarize any additional remediation activities not included by answers above?





https://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75

NM OCD OIL AND GAS MAP

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map User Guide

32.64745, -104.46073

Show search results for 32.647...

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

967.3 Feet

Clear

Press CTRL to enable snapping

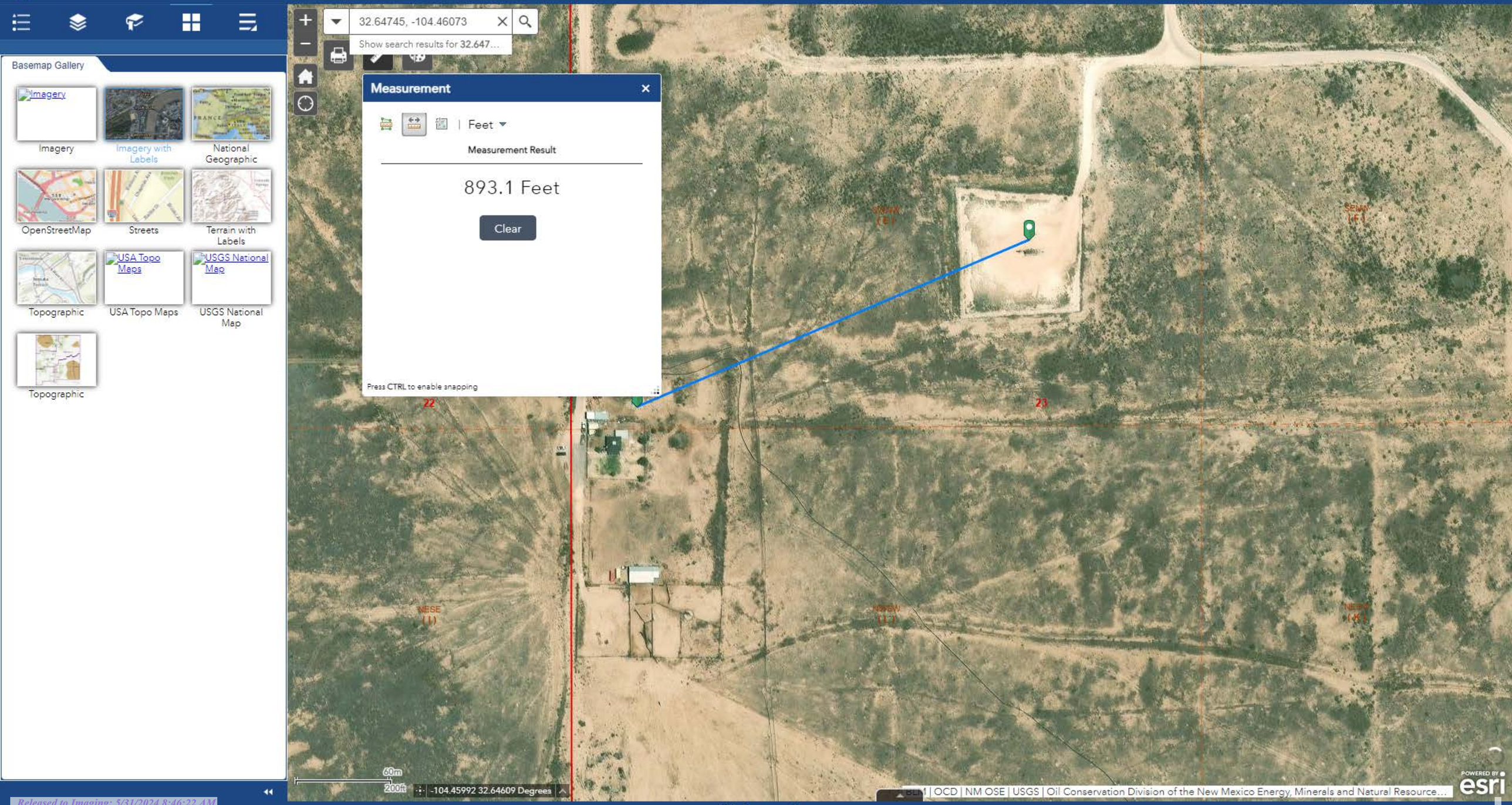
323855104274301
7/23/1906
DTW = -47.2

100m
300ft

-104.46010 32.64879 Degrees

| OCD | USGS | Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Depa...

POWERED BY esri



Search by API or Township

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

Measurement

Feet

Measurement Result

772.2 Feet

Clear

Press CTRL to enable snapping

323855104274301
7/23/1906
DTW -47.2

22

23

100m
300ft

-104.46260 32.64874 Degrees

BLM | OCD | NM OSE | USGS | Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resource...

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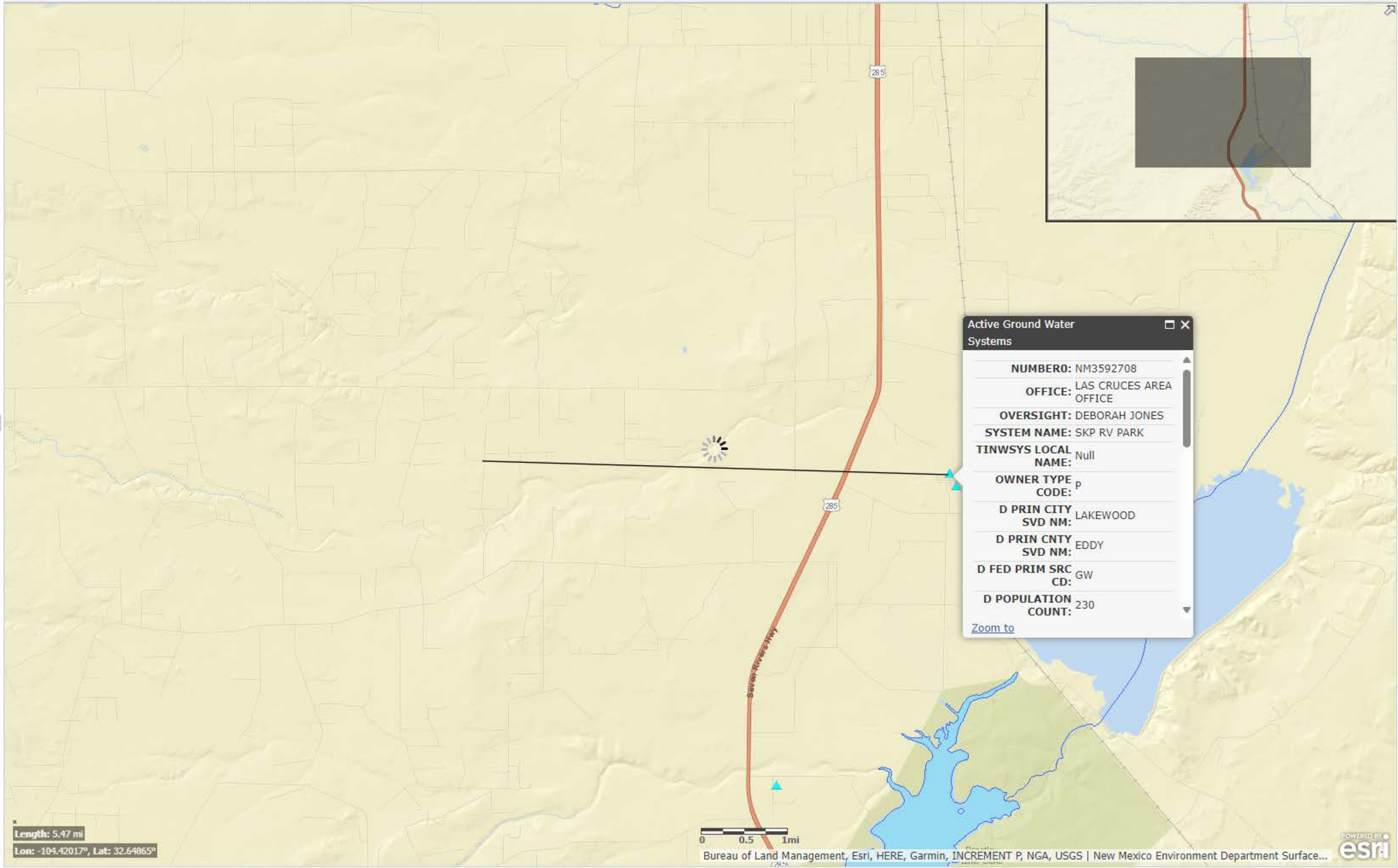
Help Using this Tool

Legend | Basemap | Query

1:72,224

- Active Surface Water Systems
- Active Ground Water Systems
- Inactive Drinking Water Sources
- Hazardous Waste Facilities
- Landfills
- Petroleum Storage Tanks
- Leaking Tank Sites
- NPDES Permits
  - NPDES Permits
  - Active NPDES Permits
  - Pending NPDES Permits
- Water Quality Stations
- Nonpoint Source Program
- Impaired Waters
- Assessed Waters
  - Assessed Waters
  - Assessed Springs 2022
  - Assessed Streams 2022
  - Assessed Lakes 2022
- National Hydrography Dataset
- COVID Wastewater
- COVID-19 OSHA Data
- Watershed Boundary Dataset
- Aquifer Sensitivity
- National Land Cover Database
- USGS Stream Gages
- Legislative Boundaries
- Places
- Colonias
- Tribal Lands
- Mount Taylor
- Land Grants
- New Mexico Environment Department



National Wetlands Inventory
surface waters and wetlands

ABOUT | GET DATA | PRINT | FIND

BASEMAPS >

MAP LAYERS >

- [x] Wetlands
- [x] Riparian
- [ ] Riparian Mapping Areas
- [x] Data Source
  - Source Type
  - Image Scale
  - Image Year
- [ ] Areas of Interest
- [ ] FWS Managed Lands
- [ ] Historic Wetland Data

Measure

Miles

Measurement Result

1.64 Miles

LEGEND

PEM

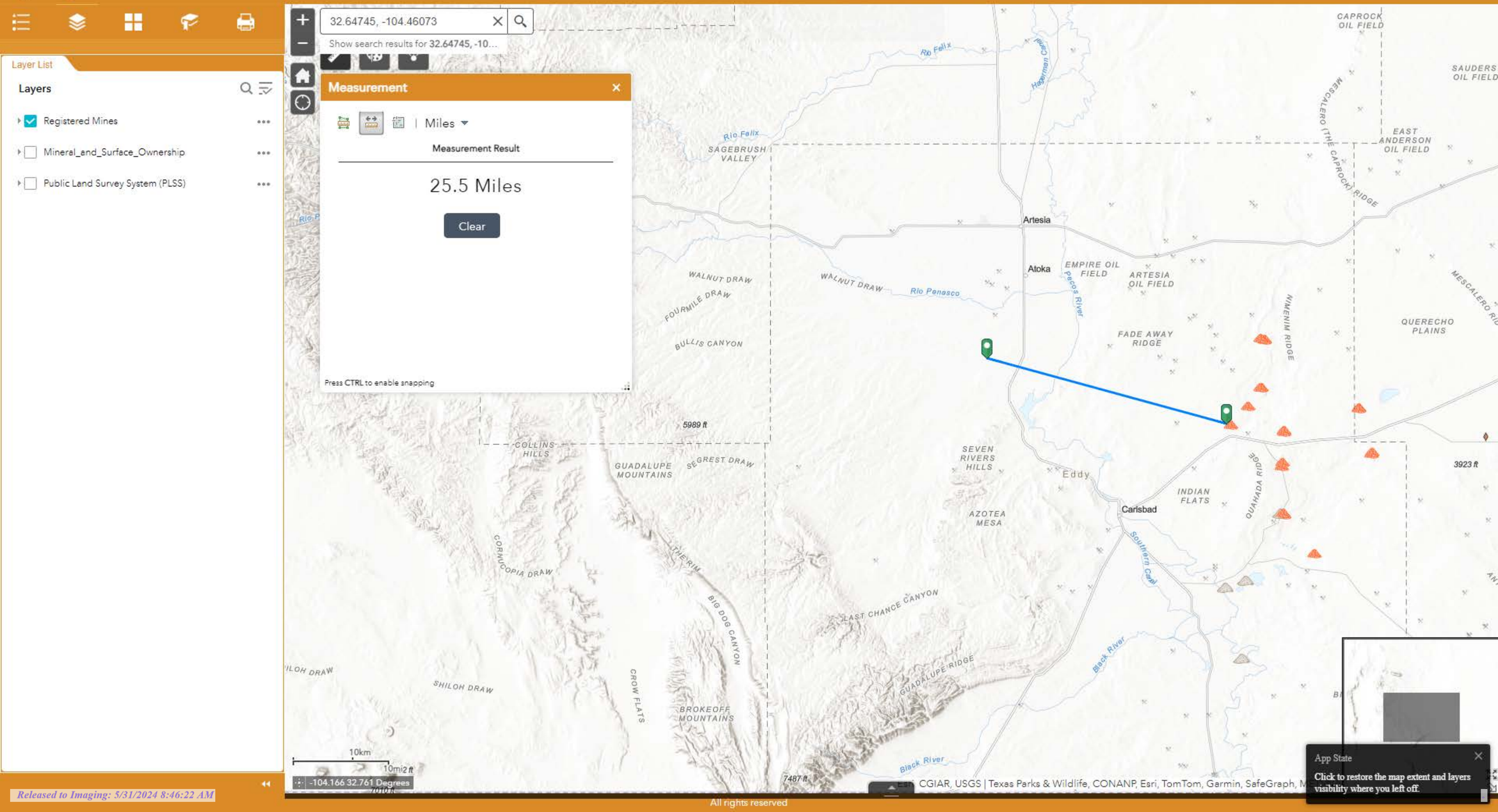
PEM1A

North Seven Rivers

1:18,056
32.654 | -104.463

Maxar | Esri, HERE, Garmin, iPC | U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

POWERED BY esri



Layer List

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- Political Boundaries and Transportation
- Mineral and Surface Ownership
- Hydrology
- OCD Districts
- NM Oil and Gas Production Areas

32.64745, -104.46073

Show search results for 32.647...

Measurement

Feet

Measurement Result

11,096.6 Feet

Clear

Press CTRL to enable snapping

Artesia (2)

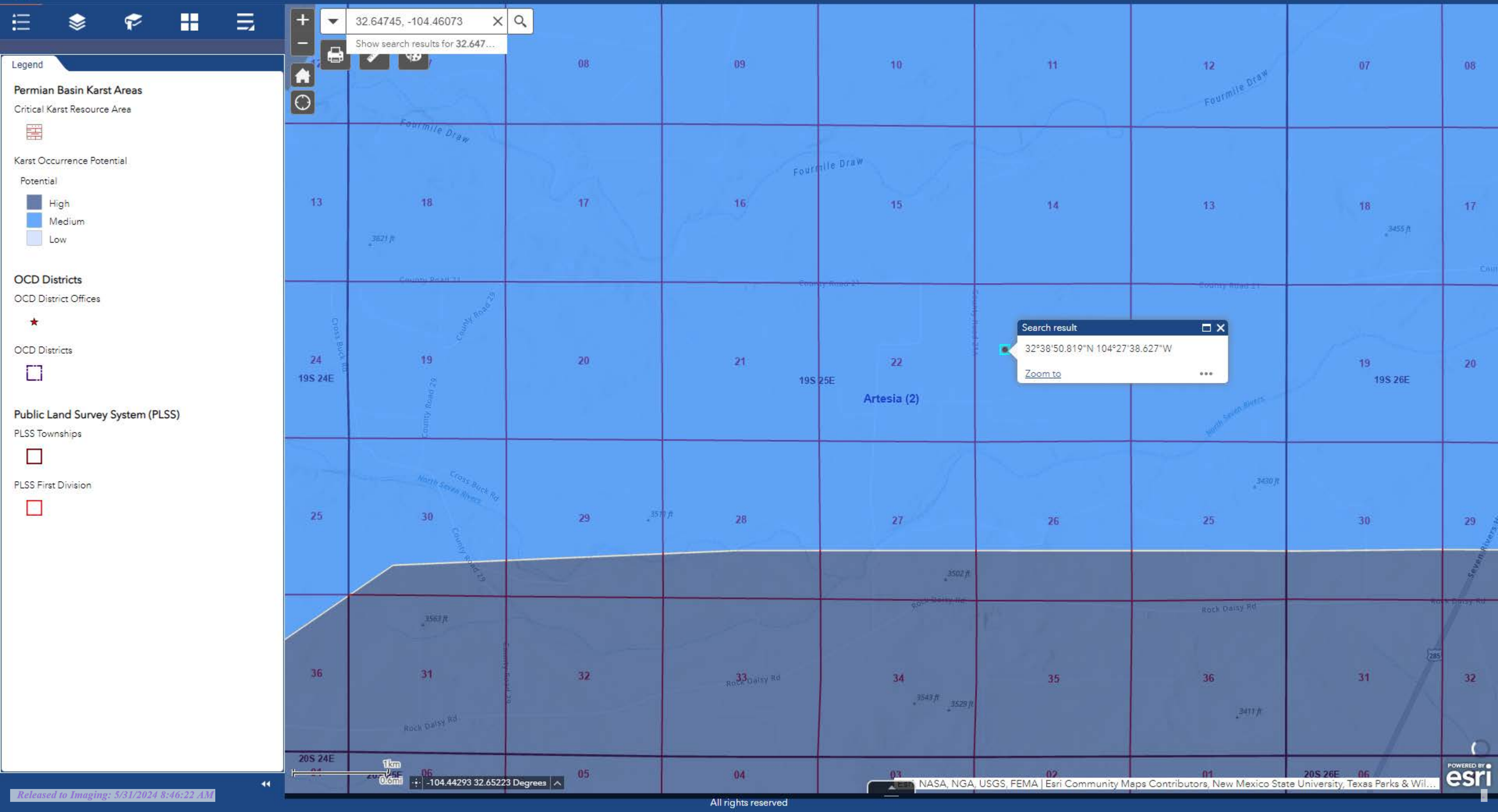
18S 25E
18S 26E
19S 25E
19S 26E
20S 24E
20S 25E
20S 26E

Frontier Post
Fourmile Draw
Dagger Draw
Seven Rivers

16 12km
1mi

-104.37880 32.68836 Degrees

NASA, NGA, USGS, FEMA | Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnolog...



d Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS

32.64745, -104.46073

Show search results for 32.64745, -10...

Measurement

Feet

Measurement Result

3,303.5 Feet

Clear

Press CTRL to enable snapping

Search result

32°38'50.819"N 104°27'38.627"W

Zoom to

dy County
350120

35015C0750D
eff. 6/4/2010

35015C0775D
eff. 6/4/2010

App State

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

USGS The National Map: Orthoimagery. Data refreshed December, 2021

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

QUESTIONS

Action 342431

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2300636521**
Incident Name	**NAPP2300636521 ARKANSAS 23 FEE #003 @ 30-015-40192**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-40192] ARKANSAS 23 FEE #003**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ARKANSAS 23 FEE #003
Date Release Discovered	01/05/2023
Surface Owner	Private

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: Other | Well | Crude Oil | Released: 15 BBL | Recovered: 14 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Other | Well | Produced Water | Released: 3 BBL | Recovered: 2 BBL | Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	STUFFING BOX PACKING LEAKED 18 BARRELS OF OIL AND PW MIX ONTO PAD

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	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: 05/09/2024

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	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 75 and 100 (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
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	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (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
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.	
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)	5840
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	42900
GRO+DRO (EPA SW-846 Method 8015M)	33500
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	06/08/2023
On what date will (or did) the final sampling or liner inspection occur	04/05/2024
On what date will (or was) the remediation complete(d)	06/08/2023
What is the estimated surface area (in square feet) that will be reclaimed	59850
What is the estimated volume (in cubic yards) that will be reclaimed	1500
What is the estimated surface area (in square feet) that will be remediated	1800
What is the estimated volume (in cubic yards) that will be remediated	50
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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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	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 **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** 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: 05/09/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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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QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**329626**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/05/2024**
What was the (estimated) number of samples that were to be gathered	**8**
What was the sampling surface area in square feet	**7000**

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
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	Yes
What was the total surface area (in square feet) remediated	1800
What was the total volume (cubic yards) remediated	50
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	Yes
What was the total surface area (in square feet) reclaimed	1800
What was the total volume (in cubic yards) reclaimed	50
Summarize any additional remediation activities not included by answers (above)	n/a

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: 05/09/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 342431
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 342431

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 342431
	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 #NAPP2300636521, thank you. This Remediation Closure Report is approved.	5/31/2024