Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2310037542
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☑ Description of remediation activities

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

Printed Name: Katherine Purvis Title: EHS Coordinator

Signature: Katherine Purvis Date: 5/25/23

email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

OCD Only

Received by: Jocelyn Harimon Date: 05/26/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 10/18/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2310037542
District RP	
Facility ID	
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	> 50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☑ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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Printed Name: Katherine Purvis Title: EHS Coordinator

Signature: Katherine Purvis Date: 5/25/23

email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

OCD Only

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Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

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

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

☑ Description of remediation activities

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OCD Only

Received by: Jocelyn Harimon Date: 05/26/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary and Soil Closure Request

Spur Energy Partners, LLC
Arkansas 23 Fee #004
Eddy County, New Mexico
Unit Letter F, Section 23, Township 19 South, Range 25 East
Latitude 32.64726 North, Longitude 104.45733 West
NMOCD Reference No. nAPP2310037542

Prepared By:

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

Zach Conder

Matthew Grieco

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

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 #004 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.64726 Longitude: -104.45733

Provided GPS are in WGS84 format.

Site Name:	Arkansas 23 Fee #004	Site Type:	Pumping Unit
Date Release Discovered:	4/9/2023	API # (if applicable):	30-015-40251

Unit Letter	Section	Township	Range	County
F	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) 32	Volume Recovered (bbls) 32
[X] Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 30
	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:
Fire gasket tube failure released a mix of oil and produced water into lined containment with a small overspray area outside containment.

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.

What is the shallowest depth to groundwater beneath the area affected by the release?	> 50 Feet
Did the release impact groundwater or surface water?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	[ ] Yes [X] 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 [X] No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	[ ] Yes [X] 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 [X] No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	[ ] Yes [X] No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a wetland?	[ ] Yes [X] No
Are the lateral extents of the release overlying a subsurface mine?	[ ] Yes [X] No
Are the lateral extents of the release overlying an unstable area such as karst geology?	[X] Yes [ ] No
Are the lateral extents of the release within a 100-year floodplain?	[ ] Yes [X] No
Did the release impact areas not on an exploration, development, production or storage site?	[ ] Yes [X] 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*‡
> 50 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	-	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table 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 RELEASE ASSESSMENT

On April 19, 2023, Etech conducted an initial release assessment. During the initial release 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 utilizing a visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, twelve (12) delineation soil samples (EH 1 @ 0', EH 1 @ 1', SH 1 @ 0', SH 1 @ 1', WH 1 @ 0', WH 1 @ 1', OS - 1 @ 0', OS - 1 @ 1', V 1 @ 0', V 1 @ 5', V 2 @ 0', and V 2 @ 3') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride concentrations. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards beyond five (5) feet below ground surface (bgs), and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards was adequately defined.

A delineation sample location map is provided as Figure 3A. Laboratory analytical results of delineation soil samples are summarized in Table 1. Initial release assessment field data is provided in Appendix B. Full laboratory analytical reports of delineation soil samples are provided in Appendix C. Photographic documentation of the initial release is provided in Appendix D.

5.0 REMEDIATION ACTIVITIES SUMMARY

On May 8, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards.

Etech collected four (4) confirmation soil samples (FL 1 @ 5', FL 2 @ 5' , SW 1, and WW 1) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples.

On May 10, 2023, Etech collected an additional eight (8) confirmation soil samples (FL 3 @ 3.5', FL 4 @ 3', FL 5 @ 4', EW 1, NW 1, NW 2, SW 2, and WW 2) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples.

A confirmation sample location map is provided as Figure 3B. Laboratory analytical results of confirmation soil samples are summarized in Table 1. Field data from remediation activities is provided in Appendix B. Full laboratory analytical reports of confirmation soil samples are provided in Appendix C. Photographic documentation of remediation activities is provided in Appendix D.

The final dimensions of the excavated area were approximately 85 feet in length, five (5) to fifty (50) feet in width, and three (3) to five (5) feet in depth. During the course of remediation activities, approximately 200 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

6.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with approximately 200 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 all affected areas were on the production pad, reseeding of affected areas will be completed following the closure and reclamation of the Site.

7.0 SOIL CLOSURE REQUEST

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

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 #004 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.

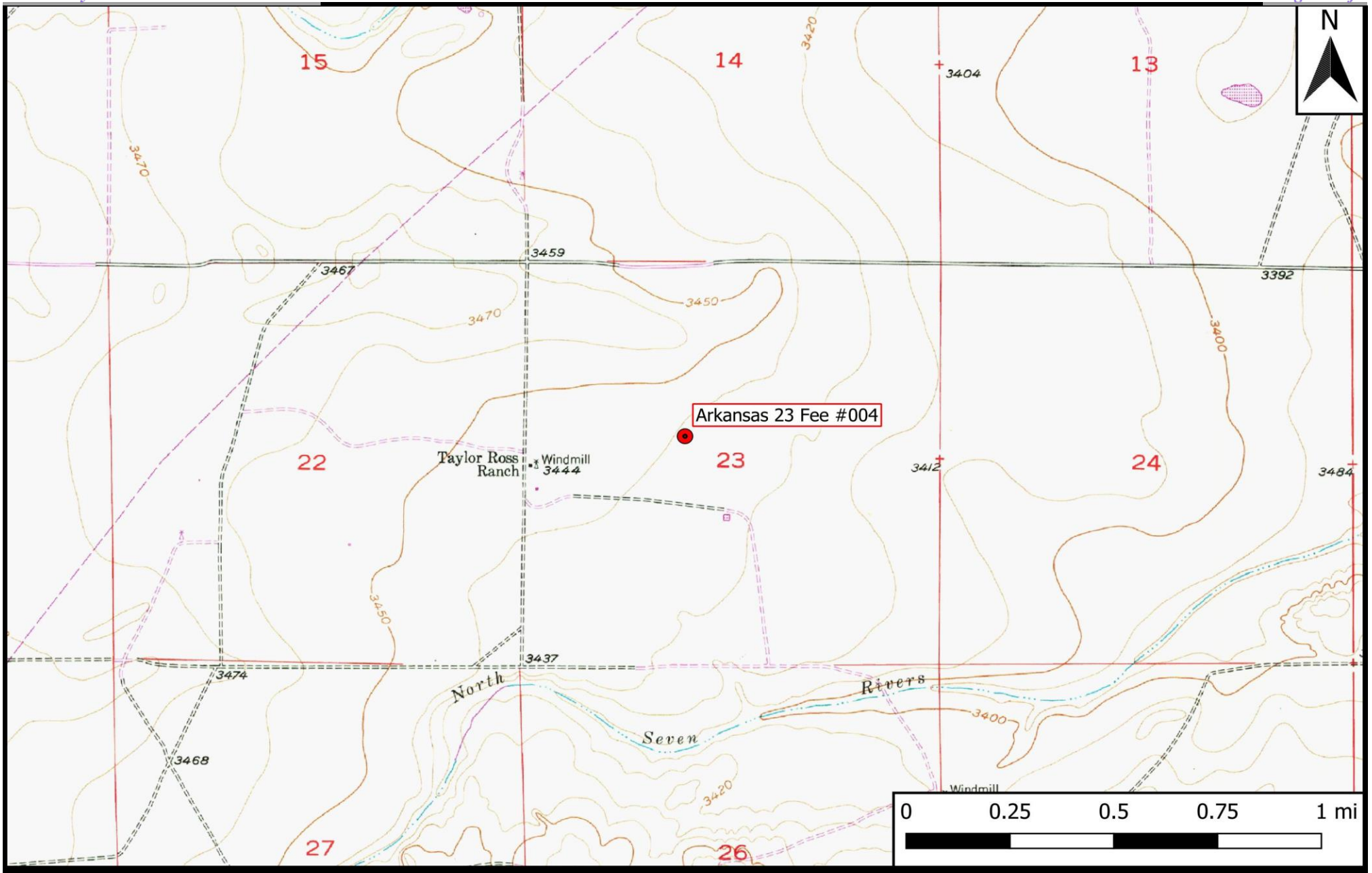
9.0 DISTRIBUTION

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

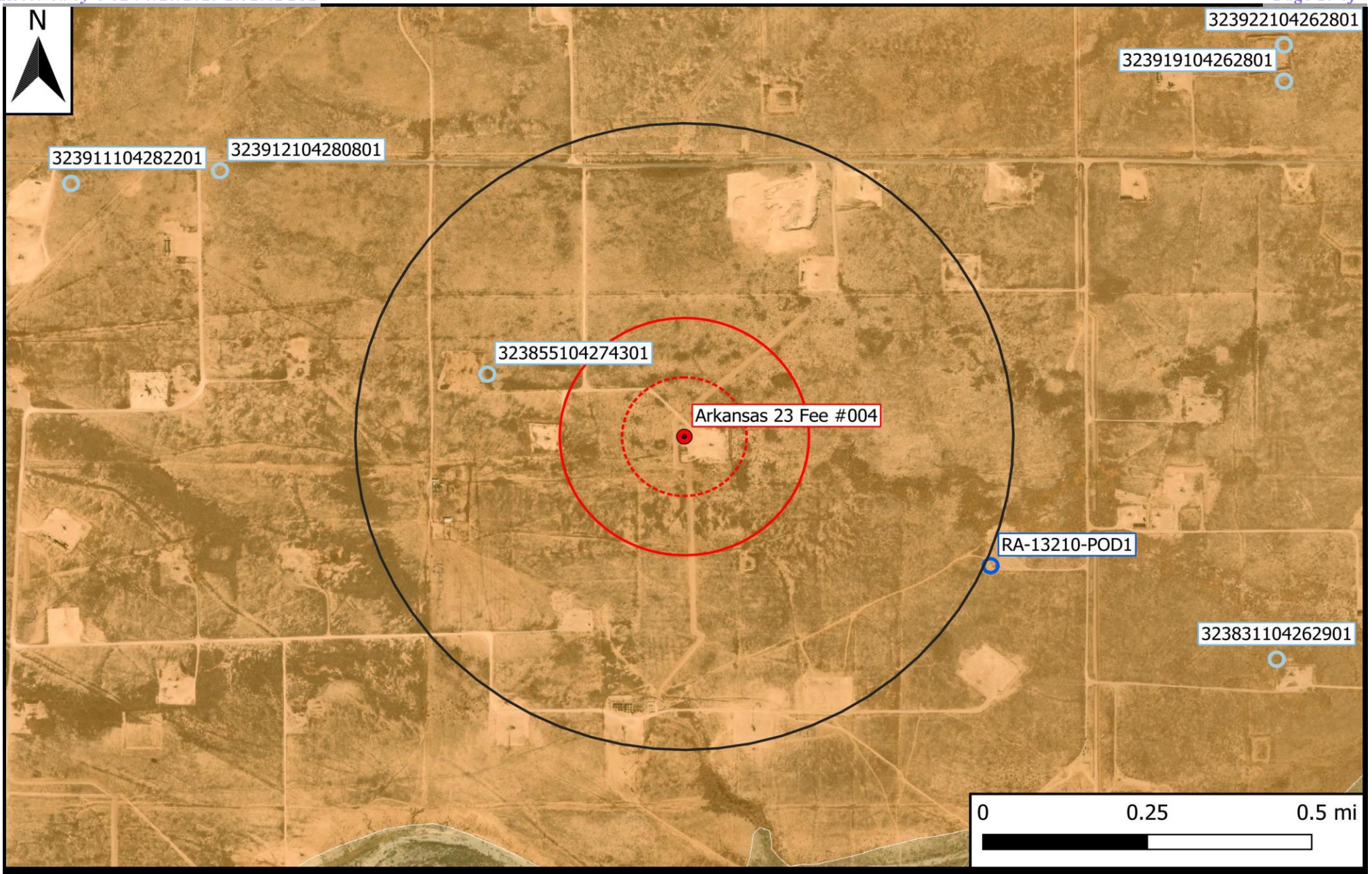
- Site Location

Figure 1
Topographic Map
Spur Energy Partners, LLC
Arkansas 23 Fee #004
GPS: 32.64726, -104.45733
Eddy County

eTECH Environmental & Safety Solutions, Inc.

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

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 #004

GPS: 32.64726, -104.45733

Eddy County

eTECH Environmental & Safety Solutions, Inc.

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

Figures 3A and 3B
Sample Location Maps

Legend

- Sample Point
- Release Area
- Overspray Area

Figure 3A

Sample Location Map - Delineation

Spur Energy Partners, LLC

Arkansas 23 Fee #004

GPS: 32.64726, -104.45733

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: zc Date: 5/18/23

Legend

- Floor Sample
- Wall Sample
- Excavated Area

Figure 3B

Sample Location Map - Confirmation

Spur Energy Partners, LLC

Arkansas 23 Fee #004

GPS: 32.64726, -104.45733

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: zc Date: 5/18/23

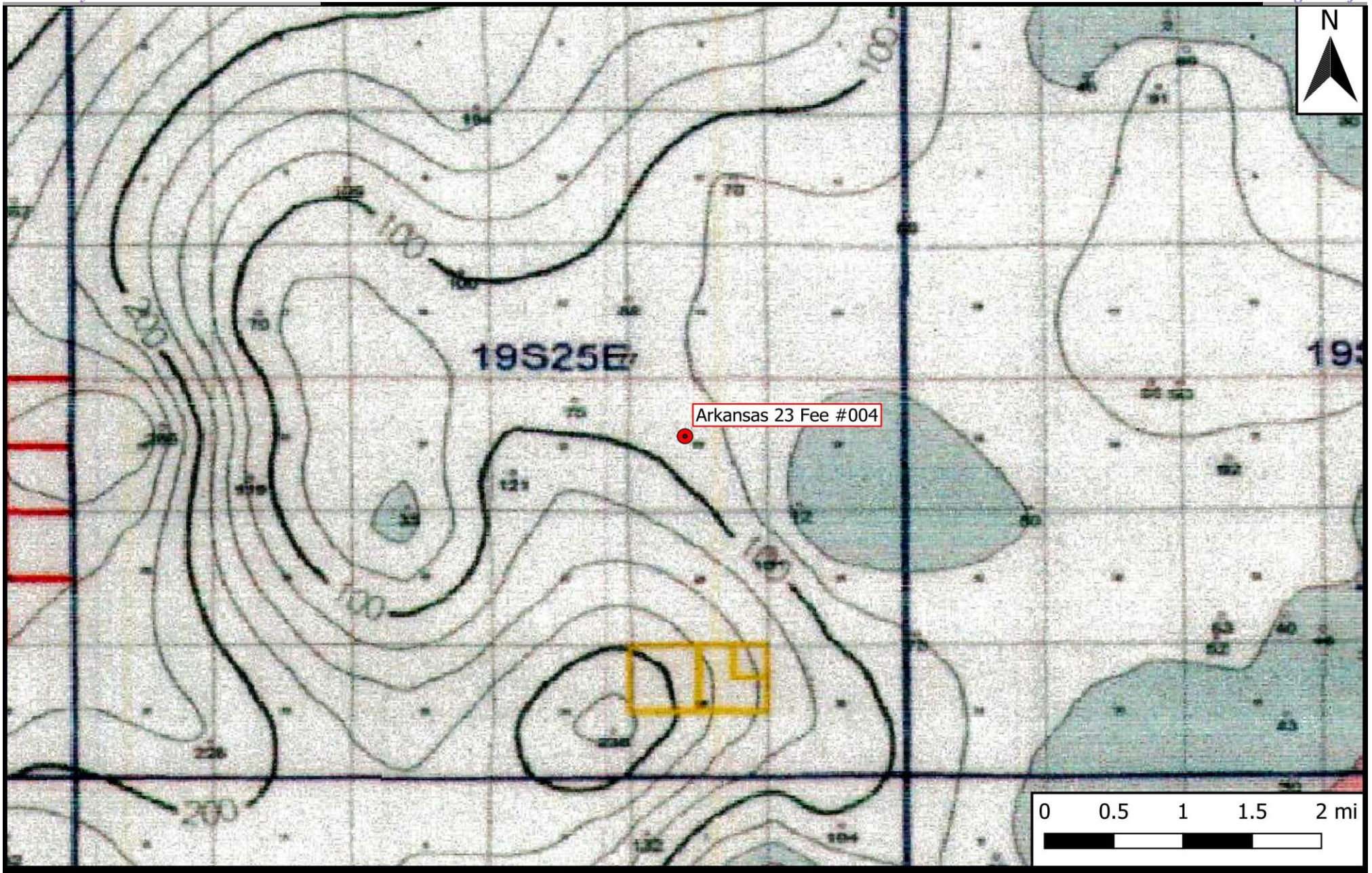
Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Arkansas 23 Fee #004
NMOCD Ref. #: nAPP2310037542

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_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 Samples											
EH 1 @ 0'	4/19/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ 1'	4/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 1 @ 0'	4/19/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
SH 1 @ 1'	4/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WH 1 @ 0'	4/19/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WH 1 @ 1'	4/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
OS - 1 @ 0'	4/19/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
OS - 1 @ 1'	4/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
V 1 @ 0'	4/19/2023	0	Excavated	5.64	**568**	4,440	16,800	21,200	2,750	**24,000**	80.0
V 1 @ 5'	4/19/2023	5	In-Situ	0.113	0.766	<10.0	73.2	73.2	<10.0	73.2	48.0
V 2 @ 0'	4/19/2023	0	Excavated	**14.9**	**296**	2,300	11,100	13,400	2,050	**15,500**	**2,880**
V 2 @ 3'	4/19/2023	3	In-Situ	<0.050	<0.300	<10.0	18.2	18.2	<10.0	18.2	192
Confirmation Samples											
FL 1 @ 5'	5/8/2023	5	In-Situ	<0.050	<0.300	<10.0	15.7	15.7	<10.0	15.7	144
FL 2 @ 5'	5/8/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 3 @ 3.5'	5/10/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 4 @ 3'	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 5 @ 4'	5/10/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 1	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 1	5/10/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 2	5/10/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 1	5/8/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SW 2	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 1	5/8/2023	0-5	In-Situ	<0.050	<0.300	<10.0	27.6	27.6	<10.0	27.6	288
WW 2	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Spur Energy Partners, LLC

Arkansas 23 Fee #004

GPS: 32.64726, -104.45733

Eddy County

eTECH Environmental & Safety Solutions, Inc.

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

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 13210 POD1		RA	ED	3	2	4	23	19S	25E	551644	3611983	818	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): 550895 **Northing (Y):** 3612313.28 **Radius:** 1610

4/20/23 9:38 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer
Point of Diversion Summary

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

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

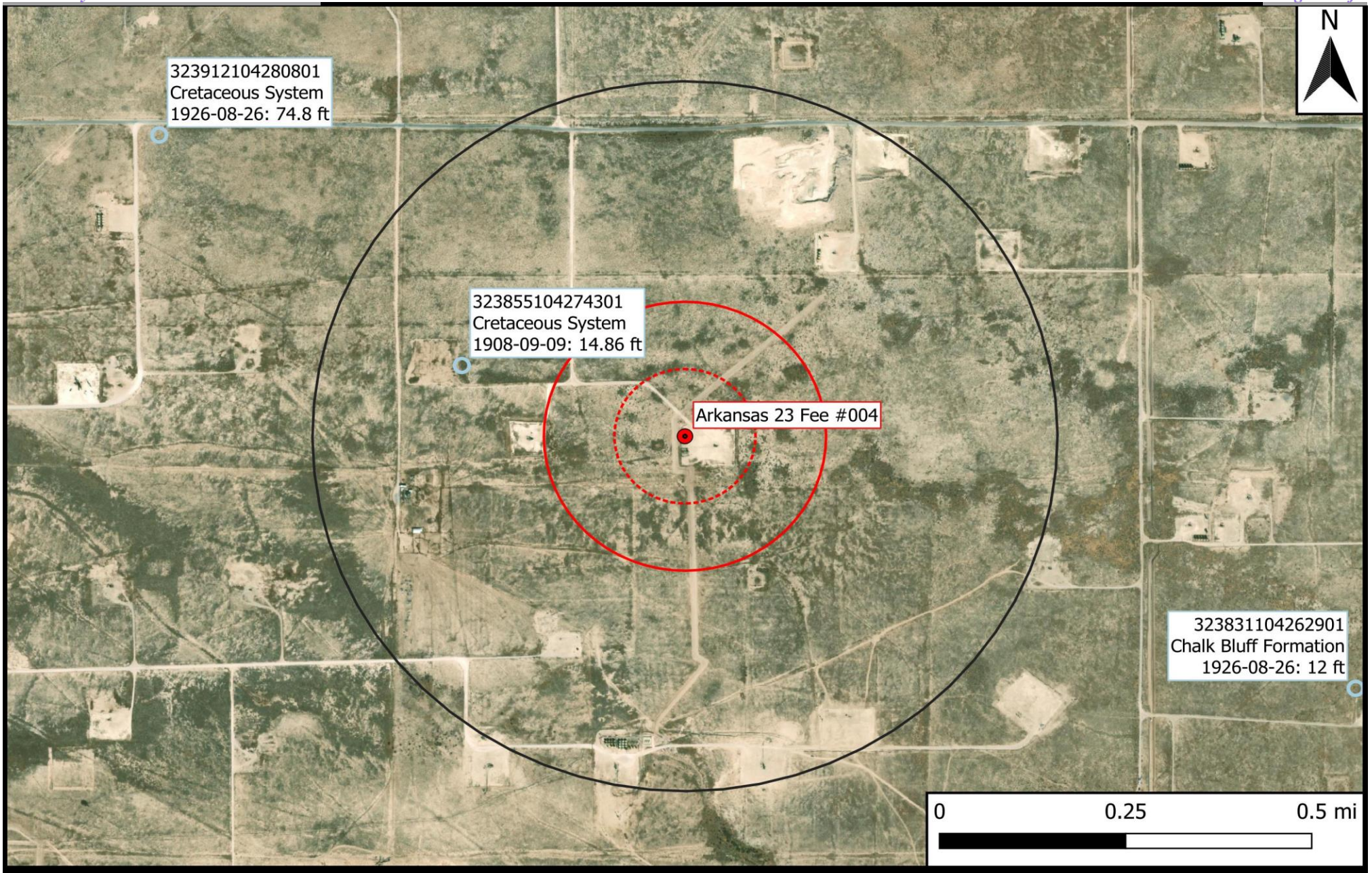
Drill Start Date: 07/12/2022 **Drill Finish Date:** 07/12/2022 **Plug Date:** 07/14/2022

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 #004
GPS: 32.64726, -104.45733
Eddy County

eTECH Environmental & Safety Solutions, Inc.

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

MENU

IMPORTANT Inventory Page

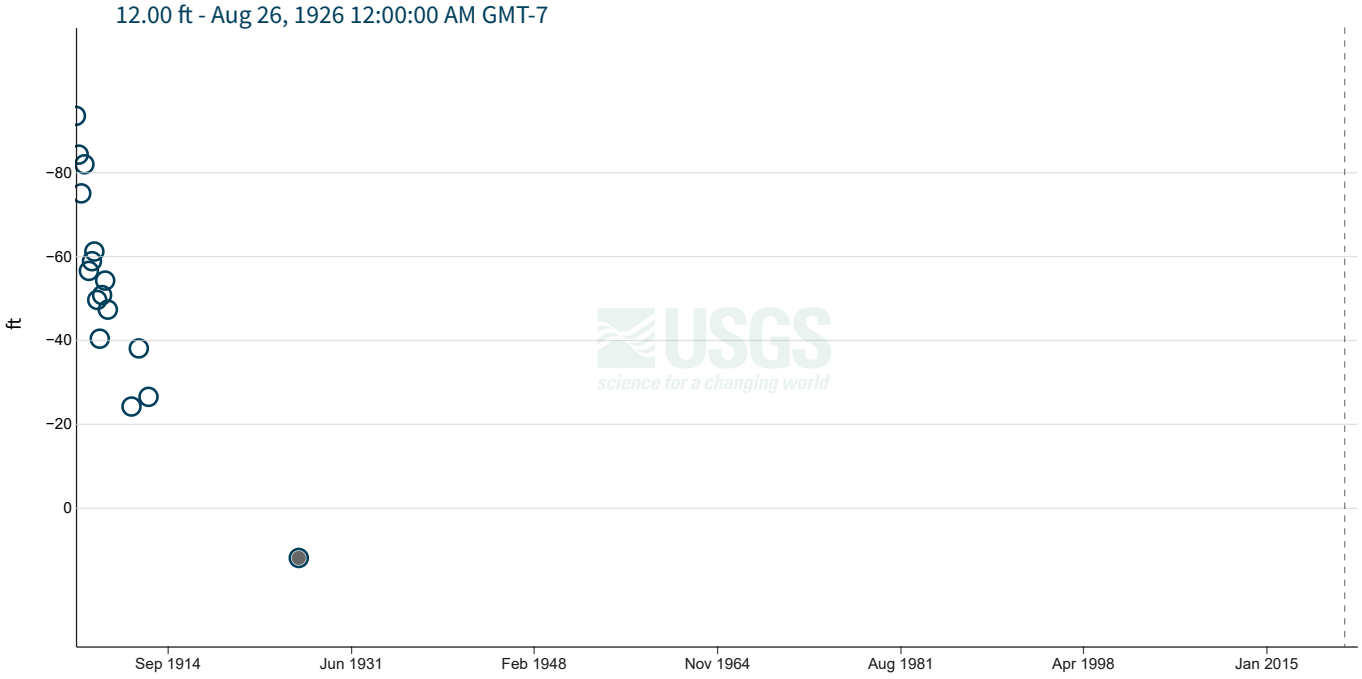
1 year 10 years Period of record

19S.25E.24.33442 - 323831104262901

April 19, 1906 - April 20, 2023

Depth to water level, ft below land surface

12.00 ft - Aug 26, 1926 12:00:00 AM GMT-7



Show legend

	Value	Status
Selected	12 ft	Approved
Aug 26, 1926 12:00:00 AM GMT-7		

Hide data details view

Statistics are not currently supported for the data type:

Hide statistics

IMPORTANT Data may be provisional - learn more

Questions or Comments

Change time span | Subscribe to WaterAlert | Download data | View data records

Select data to graph

1906-04-19 to 1926-08-26
Depth to water level, ft below land surface

1906-04-19 to 1926-08-26
Groundwater level above NAVD 1988, ft

1906-04-19 to 1926-08-26
Groundwater level above NGVD 1929, feet

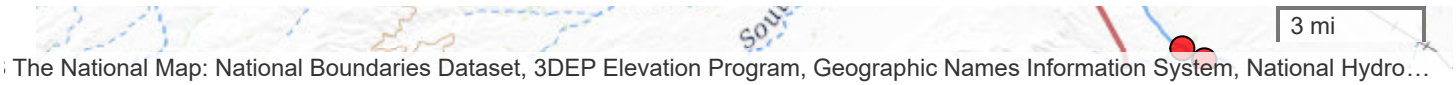
Monitoring camera

There are no cameras currently available at this monitoring location.

Groundwater data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

Summary of available field and laboratory sample data

Summary of all available data

Location metadata

MENU

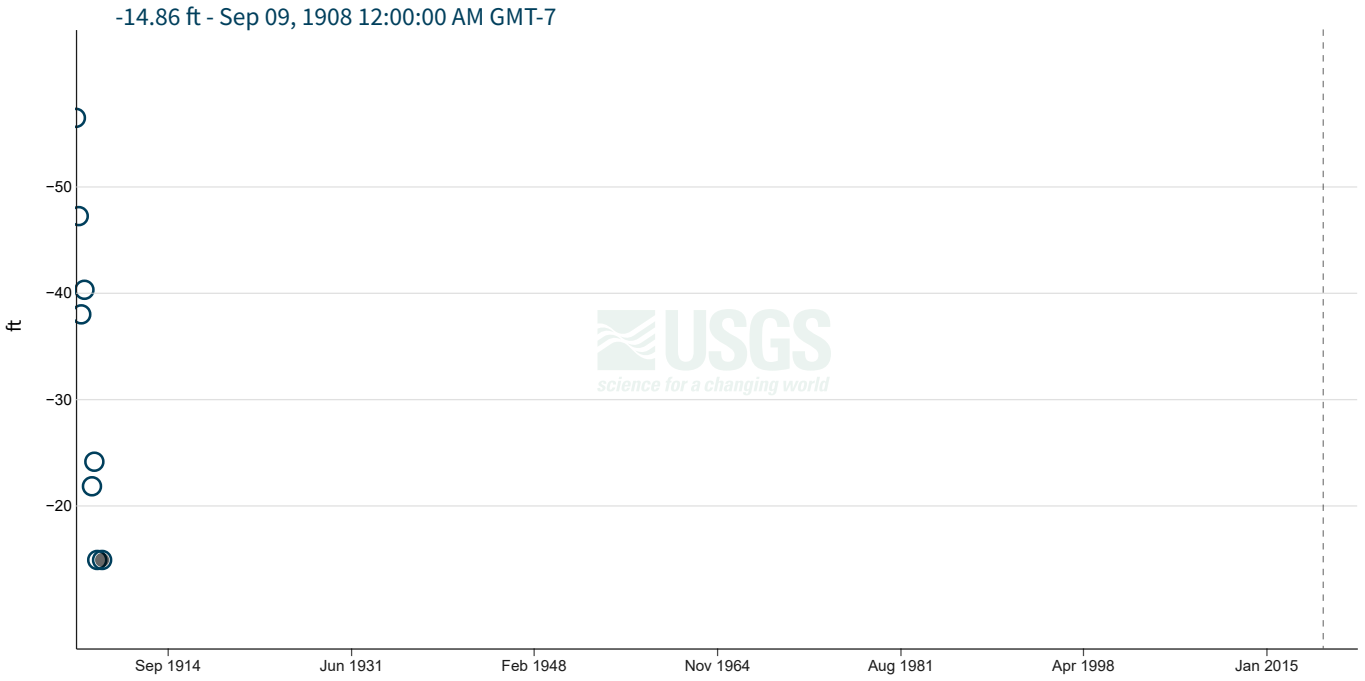
IMPORTANT Inventory Page

1 year 10 years Period of record

19S.25E.23.133334 - 323855104274301

April 19, 1906 - April 20, 2023

Depth to water level, ft below land surface



Show legend

	Value	Status
Selected	-14.86 ft	Approved
Sep 09, 1908 12:00:00 AM GMT-7		

Hide data details view

Statistics are not currently supported for the data type:

Hide statistics

IMPORTANT Data may be provisional - learn more

Questions or Comments

Change time span | Subscribe to WaterAlert | Download data | View data records

Select data to graph

1906-04-19 to 1908-09-09
Depth to water level, ft below land surface

1906-04-19 to 1908-09-09
Groundwater level above NAVD 1988, ft

1906-04-19 to 1908-09-09
Groundwater level above NGVD 1929, feet

Monitoring camera

There are no cameras currently available at this monitoring location.

Groundwater data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.

Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

Summary of available field and laboratory sample data

Summary of all available data

Location metadata

MENU

IMPORTANT Inventory Page

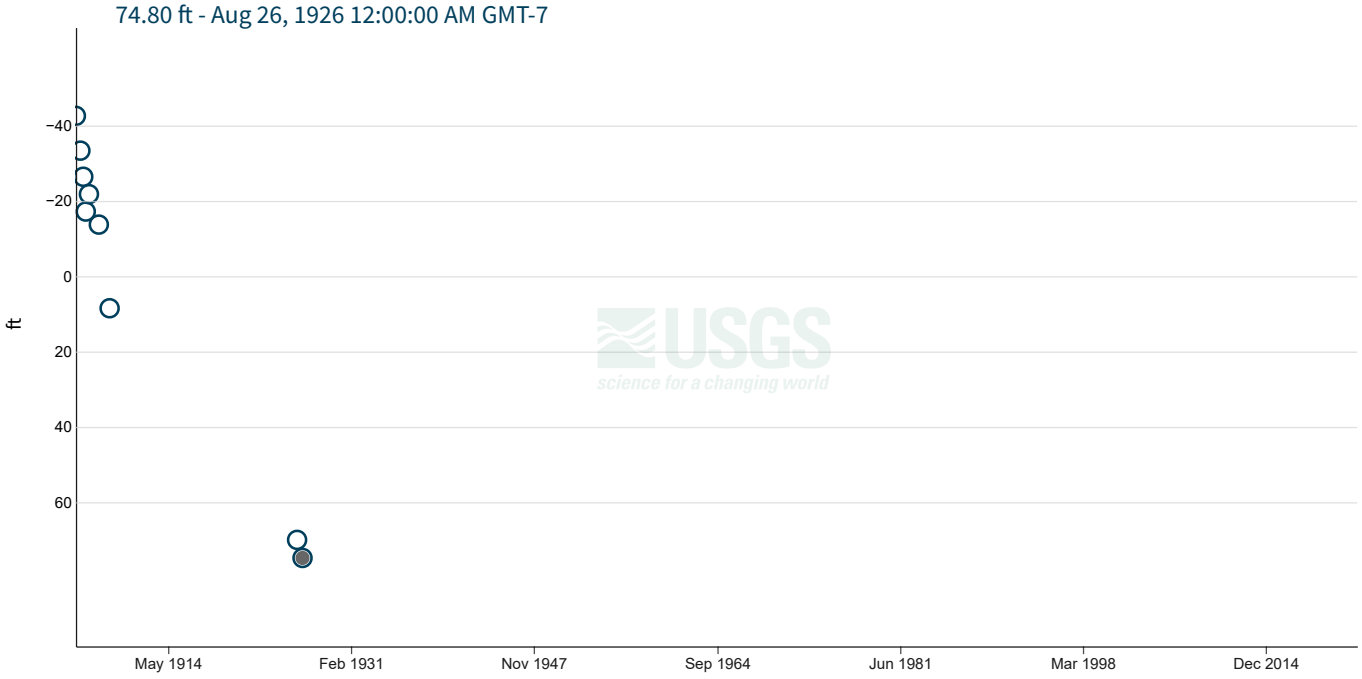
1 year 10 years Period of record

19S.25E.22.21324 - 323912104280801

November 18, 1905 - April 20, 2023

Depth to water level, ft below land surface

74.80 ft - Aug 26, 1926 12:00:00 AM GMT-7



Show legend

	Value	Status
Selected	74.8 ft	Approved

Aug 26, 1926 12:00:00 AM GMT-7

Hide data details view

Statistics are not currently supported for the data type:

Hide statistics

IMPORTANT Data may be provisional - learn more

Questions or Comments

Change time span | Subscribe to WaterAlert | Download data | View data records

Select data to graph

1905-11-18 to 1926-08-26
Depth to water level, ft below land surface

1905-11-18 to 1926-08-26
Groundwater level above NAVD 1988, ft

1905-11-18 to 1926-08-26
Groundwater level above NGVD 1929, feet

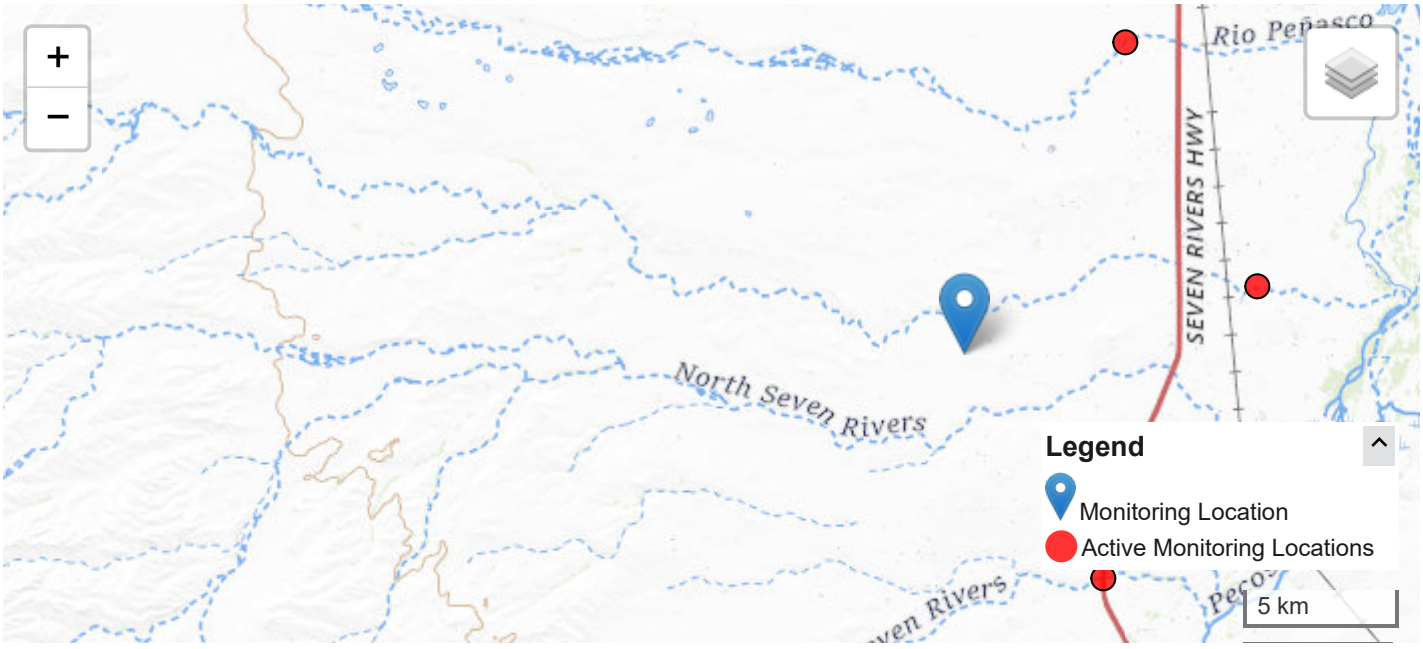
Monitoring camera

There are no cameras currently available at this monitoring location.

Groundwater data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

Summary of available field and laboratory sample data

Summary of all available data

Location metadata

Appendix B
Field Data

ETECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 4-19-23

Project: Arkansas 23 Fee 3004

Project Number: 18049 Latitude: 32.64726 Longitude: -104.45733

Sample ID	PID/Odor	Chloride Conc.	GPS
V1 @ 0-8"	Heavy	—	
V1 @ 1'	Slight	—	
V1 @ 2'	Slight	—	
V1 @ 3'	None	1,200	
V1 @ 4'	Slight	844	
V1 @ 5'	Slight	228	
V2 @ Surface	Heavy		
V2 @ 1'	Slight		
V2 @ 2'	Slight		
V2 @ 3'	Slight	552	
FL1 @ 4'	light	3.8 552	
FL1 @ 5	~~light~~	2.0 184	
FL2 @ 2'	—	6.4 1484 X	
SW1	—	3.6 500	
WW1	—	3.7 552	
FL2 @ 5'	—	2.2 212	
FL3 @ 4'/3.5'	—	1.6 148	
WW2	—	2.8 328	
EW2	—	3.4 452	
FL4 @ 3'	—	3.0 364	
[redacted]	—	3.4 452	
~~EW3~~ NW2	—	2.2 212	
SW2	—	3.6 500	
NW1	—	2.8 324	
FL5 @ 4'	—	2.6 284	

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

Remediation Log

Project: Arkansas 23 Fee 3004
Project Number: 18049 Latitude: 32.64726 Longitude: -104.45733

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

Date:	Notes	Yds Out	Yds In
	****Begin Remediation Activities****		
5-8-23	Begin Excavation		
5-9-23	excavating impacted area and collect samples for lab tests, haul in backfill material,		
5-10-23		180	120
	set grade, and collect samples		
5-11-23	haul out impacted soil for disposal and	20	60
	backfill excavation.		
5-15-23	haul in backfill material, backfill		20
	excavation and clean up backfilled		
	areas.		
	****Begin Backfill Activities****		
	****Complete Remediation Activities****		
	Total Yds	Out: 200	In: 200

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

Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

April 25, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ARKANSAS 23 #4

Enclosed are the results of analyses for samples received by the laboratory on 04/19/23 13:20.

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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: V 1 @ 0' (H231895-01)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**5.64**	5.00	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	**123**	5.00	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	**215**	5.00	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	**224**	15.0	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	**568**	30.0	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/21/2023	ND	416	104	400	0.00	

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*	**4440**	50.0	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	**16800**	50.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	**2750**	50.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *361 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *308 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: V 1 @ 5' (H231895-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.113**	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	**0.273**	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	**0.191**	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	**0.189**	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	**0.766**	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/21/2023	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	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	**73.2**	10.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *82.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.9 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: V 2 @ 0' (H231895-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**14.9**	2.00	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	**83.8**	2.00	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	**99.3**	2.00	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	**98.3**	6.00	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	**296**	12.0	04/22/2023	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	**2880**	16.0	04/21/2023	ND	416	104	400	0.00	

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*	**2300**	50.0	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	**11100**	50.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	**2050**	50.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *239 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *217 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: V 2 @ 3' (H231895-04)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	**0.050**	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	04/21/2023	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	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	**18.2**	10.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *94.4 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: OS - 1 @ 0' (H231895-05)

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	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/21/2023	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	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *86.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: OS - 1 @ 1' (H231895-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/21/2023	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	04/22/2023	ND	178	89.2	200	0.457	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.2	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *86.1 %* *48.2-134*

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

Cardinal Laboratories *=Accredited Analyte

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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: WH 1 @ 0' (H231895-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *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	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: WH 1 @ 1' (H231895-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.6 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: EH 1 @ 0' (H231895-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.5 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: EH 1 @ 1' (H231895-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *99.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.3 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: SH 1 @ 0' (H231895-11)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	<0.050	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *98.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.8 %* *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:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 #4	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Brandi Bautista
Project Location:	SPUR - ARTESIA, NM		

Sample ID: SH 1 @ 1' (H231895-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2023	ND	1.88	94.0	2.00	4.27	
Toluene*	**0.122**	0.050	04/22/2023	ND	2.00	99.8	2.00	4.01	
Ethylbenzene*	**0.090**	0.050	04/22/2023	ND	2.23	111	2.00	4.67	
Total Xylenes*	<0.150	0.150	04/22/2023	ND	6.75	112	6.00	5.06	
Total BTEX	<0.300	0.300	04/22/2023	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	**192**	16.0	04/21/2023	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	04/22/2023	ND	192	96.2	200	1.94	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	172	86.1	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane *96.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.5 %* *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.
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:	Zach Conder	P.O. #:	
Address:	P.O. Box 301	Company:	Spur Energy
City:	Lovington	State: NM Zip: 88260	Attn: Kathy Purvis
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	Address:
Project #:	18049	Project Owner: Spur Energy	City:
Project Name:	Arkansas 23 Fee #4		State: Zip:
Project Location:	Artesia, NM		Phone #:
Sampler Name:	Zach Conder		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)
H231895	*SR 4/20/23																
1	V1 @ 0'	G	1			X					X		11:30	4-19-23	X	X	X
2	V1 @ 5'												4-19-23	11:35	X		
3	V2 @ 0'												4-19-23	11:40	X		
4	V2 @ 3'													11:45	X		
5	OS-1 @ 0'													11:50	X		
6	OS-1 @ 1'													11:55	X		
7	WH1 @ 0'													12:00	X		
8	WH1 @ 1'													12:05	X		
9	EH1 @ 0'													12:10	X		
10	EH1 @ 1'													12:15	X		

Relinquished By:	Date: 4.19.23	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1:20	Brandi Bautista	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: *customer requested sample I.D. changes. SR 4/20/23
	Time:		Please email results to pm@etechenv.com.
Delivered By: (Circle One) #113	Sample Condition: Cool ☑ Yes ☐ No, Intact ☑ Yes ☐ No	CHECKED BY: (Initials) BB	~~5.0 corrected~~ T°: 4/19/23
Sampler - UPS - Bus - Other: 4.4°C / 3.9°C		4.4°C	

FORM-006
Revision 1.0

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	~~Solaris Water Midstream, LLC~~ Etech	**BILL TO** P.O. #:	
Project Manager:	~~Joel Lowry~~ Zach Conder	Company:	~~Etech Environmental~~ Spur Energy
Address:	~~3100 Plains Hwy~~	Attn:	~~Joel Lowry~~ Kathy Purvis
City:	Lovington State: NM Zip: 88260	Address:	~~P.O. Box 301~~
Phone #:	~~575-396-2378~~ Fax #: ~~575-396-1429~~	City:	~~Lovington~~
Project #:	~~17267~~ 18019 Project Owner: ~~Solaris Water Midstream, LLC~~ Spur Energy	State:	~~NM~~ Zip: ~~88260~~
Project Name:	~~Lightning SWD~~ Arkansas 23 Fee #4	Phone #:	~~575-396-2378~~
Project Location:	UL/ Sec TS - RE	Fax #:	~~575-396-1429~~
Sampler Name:	Zach Conder		

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	BTEX 8021										
H231895																										
11	SH 1 @ 0'	G	1			X					X		4-19-23	12:20	X	X	X									
12	SH 1 @ 1'	G	1			X					X		4-19-23	12:25	X	X	X									

Relinquished By:	Date: 4-19-23	Received By:	
	Time: 1:20	Brandi Bautista	
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One) #113
Sampler - UPS - Bus - Other: 4.4° / 3.9°

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) BB 4.4° ~~5.0 Corrected~~ T.O. 4/19/23

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

REMARKS: Email results to ~~joel@etechenv.com~~ pm@etechenv.com

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

FORM-006 R 2.0

CARDINAL Laboratories

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

May 09, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ARKANSAS 23 FEE #004

Enclosed are the results of analyses for samples received by the laboratory on 05/08/23 16:30.

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:	05/08/2023	Sampling Date:	05/08/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: FL 1 @ 5' (H232274-01)

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	05/09/2023	ND	2.16	108	2.00	5.96	
Toluene*	<0.050	0.050	05/09/2023	ND	2.16	108	2.00	5.29	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.10	105	2.00	6.58	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.33	105	6.00	6.65	
Total BTEX	<0.300	0.300	05/09/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/09/2023	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	05/09/2023	ND	155	77.3	200	0.611	
DRO >C10-C28*	**15.7**	10.0	05/09/2023	ND	169	84.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane *94.4 %* *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:	05/08/2023	Sampling Date:	05/08/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: FL 2 @ 5' (H232274-02)

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	05/09/2023	ND	2.16	108	2.00	5.96	
Toluene*	<0.050	0.050	05/09/2023	ND	2.16	108	2.00	5.29	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.10	105	2.00	6.58	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.33	105	6.00	6.65	
Total BTEX	<0.300	0.300	05/09/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/09/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	155	77.3	200	0.611	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	169	84.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane *85.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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:	05/08/2023	Sampling Date:	05/08/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: SW 1 (H232274-03)

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	05/08/2023	ND	1.89	94.4	2.00	8.63	
Toluene*	<0.050	0.050	05/08/2023	ND	1.94	96.9	2.00	8.85	
Ethylbenzene*	<0.050	0.050	05/08/2023	ND	1.86	93.2	2.00	8.23	
Total Xylenes*	<0.150	0.150	05/08/2023	ND	5.78	96.3	6.00	8.62	
Total BTEX	<0.300	0.300	05/08/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	05/09/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	155	77.3	200	0.611	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	169	84.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane *87.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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:	05/08/2023	Sampling Date:	05/08/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: WW 1 (H232274-04)

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	05/08/2023	ND	1.89	94.4	2.00	8.63	
Toluene*	<0.050	0.050	05/08/2023	ND	1.94	96.9	2.00	8.85	
Ethylbenzene*	<0.050	0.050	05/08/2023	ND	1.86	93.2	2.00	8.23	
Total Xylenes*	<0.150	0.150	05/08/2023	ND	5.78	96.3	6.00	8.62	
Total BTEX	<0.300	0.300	05/08/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	05/09/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	155	77.3	200	0.611	
DRO >C10-C28*	**27.6**	10.0	05/09/2023	ND	169	84.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane *87.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/1

		BILL TO	
Company Name:	Etech Environmental & Safety Solutions, Inc.	P.O. #:	
Project Manager:	Zach Conder	Company:	Spur
Address:	P.O. Box 301	Attn:	Kathy Purvis
City:	Lovington	Address:	
State:	NM	City:	
Zip:	88260	State:	Zip:
Phone #:	(575) 396-2378	Phone #:	
Fax #:	(575) 396-1429	Fax #:	
Project #:	18049		
Project Owner:	Spur		
Project Name:	Arkansas 23 Fee #004		
Project Location:	Rural Eddy Co., NM		
Sampler Name:	Miguel Ramirez		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H232274																	
1	FL1@5'	C	1			X					X		5/8/23	11:20	X	X	X
2	FL2@5'	C	1			X					X		5/8/23	12:00	X	X	X
3	SW1	C	1			X					X		5/8/23	1:00	X	X	X
4	WW1	C	1			X					X		5/8/23	2:00	X	X	X

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

Relinquished By:	Date: 5-8-23	Received By:	
	Time: 1630		
Relinquished By:	Date:	Received By:	
	Time:		

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

Please email results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: #113 3.3c/2.7c

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

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

May 11, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ARKANSAS 23 FEE #004

Enclosed are the results of analyses for samples received by the laboratory on 05/10/23 16:34.

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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: FL 3 @ 3.5' (H232336-01)

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	05/10/2023	ND	2.24	112	2.00	2.95	
Toluene*	<0.050	0.050	05/10/2023	ND	2.23	112	2.00	2.54	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.20	110	2.00	2.38	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.67	111	6.00	1.60	
Total BTEX	<0.300	0.300	05/10/2023	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	**64.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	185	92.7	200	0.757	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	171	85.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *90.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: FL 4 @ 3' (H232336-02)

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	05/10/2023	ND	2.24	112	2.00	2.95	
Toluene*	<0.050	0.050	05/10/2023	ND	2.23	112	2.00	2.54	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.20	110	2.00	2.38	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.67	111	6.00	1.60	
Total BTEX	<0.300	0.300	05/10/2023	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	**32.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	185	92.7	200	0.757	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	171	85.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *92.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.9 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: FL 5 @ 4' (H232336-03)

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	05/10/2023	ND	2.24	112	2.00	2.95	
Toluene*	<0.050	0.050	05/10/2023	ND	2.23	112	2.00	2.54	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.20	110	2.00	2.38	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.67	111	6.00	1.60	
Total BTEX	<0.300	0.300	05/10/2023	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	**48.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	185	92.7	200	0.757	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	171	85.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

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

Surrogate: 1-Chlorooctadecane *117 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: NW 1 (H232336-04)

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	05/10/2023	ND	2.02	101	2.00	2.85	
Toluene*	<0.050	0.050	05/10/2023	ND	2.08	104	2.00	3.24	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.01	100	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.22	104	6.00	4.47	
Total BTEX	<0.300	0.300	05/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	178	88.9	200	0.0624	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	163	81.7	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *87.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.1 %* *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

Analytical Results For:

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

Received:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: NW 2 (H232336-05)

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	05/11/2023	ND	2.12	106	2.00	6.95	
Toluene*	<0.050	0.050	05/11/2023	ND	2.11	105	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	2.05	102	2.00	6.70	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	6.22	104	6.00	7.62	
Total BTEX	<0.300	0.300	05/11/2023	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	**96.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	178	88.9	200	0.0624	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	163	81.7	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *87.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.4 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: EW 1 (H232336-06)

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	05/11/2023	ND	2.12	106	2.00	6.95	
Toluene*	<0.050	0.050	05/11/2023	ND	2.11	105	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	2.05	102	2.00	6.70	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	6.22	104	6.00	7.62	
Total BTEX	<0.300	0.300	05/11/2023	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	**32.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	178	88.9	200	0.0624	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	163	81.7	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *84.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.5 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: WW 2 (H232336-07)

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	05/11/2023	ND	2.12	106	2.00	6.95	
Toluene*	<0.050	0.050	05/11/2023	ND	2.11	105	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	2.05	102	2.00	6.70	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	6.22	104	6.00	7.62	
Total BTEX	<0.300	0.300	05/11/2023	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	**48.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	178	88.9	200	0.0624	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	163	81.7	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *83.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.4 %* *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:	05/10/2023	Sampling Date:	05/10/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	ARKANSAS 23 FEE #004	Sampling Condition:	Cool & Intact
Project Number:	18049	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - ARTESIA, NM		

Sample ID: SW 2 (H232336-08)

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	05/11/2023	ND	2.12	106	2.00	6.95	
Toluene*	<0.050	0.050	05/11/2023	ND	2.11	105	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	2.05	102	2.00	6.70	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	6.22	104	6.00	7.62	
Total BTEX	<0.300	0.300	05/11/2023	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	**48.0**	16.0	05/11/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	178	88.9	200	0.0624	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	163	81.7	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane *87.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.3 %* *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

Notes and Definitions

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

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

1 / 1

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	**Attn:**	Kathy Purvis
State:	NM	**Address:**	
Zip:	88260	**City:**	
Phone #:	(575) 396-2378	**State:**	**Zip:**
Fax #:	(575) 396-1429	**Phone #:**	
Project #:	18049	**Fax #:**	
Project Owner:	Spur		
Project Name:	Arkansas 23 Fee #004		
Project Location:	Rural Eddy Co, NM		
Sampler Name:	Miguel Ramirez		

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)
H232336																	
1	FL3@3.5'	C	1			X					X		5/10/23	09:00	X	X	X
2	FL4@3'	C	1			X					X		5/10/23	09:30	X	X	X
3	FL5@4'	C	1			X					X		5/10/23	10:00	X	X	X
4	NW1	C	1			X					X		5/10/23	10:30	X	X	X
5	NW2	C	1			X					X		5/10/23	11:00	X	X	X
6	EW1	C	1			X					X		5/10/23	11:30	X	X	X
7	WW2	C	1			X					X		5/10/23	12:00	X	X	X
8	SW2	C	1			X					X		5/10/23	12:30	X	X	X

Relinquished By:	**Date:** 5-10-23	**Received By:**	
	Time: 1634		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 4.9°C / 4.3°C #113

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

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
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: Down, Northeast	
Photo Description: Aerial view of release area.	

Photo Number: 2	
Photo Direction: North	
Photo Description: View of release area.	

Photographic Log

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

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

Photographic Log

Photo Number: 5	
Photo Direction: South	
Photo Description: View of open excavation.	

Photo Number: 6	
Photo Direction: West	
Photo Description: View of open excavation.	

Photographic Log

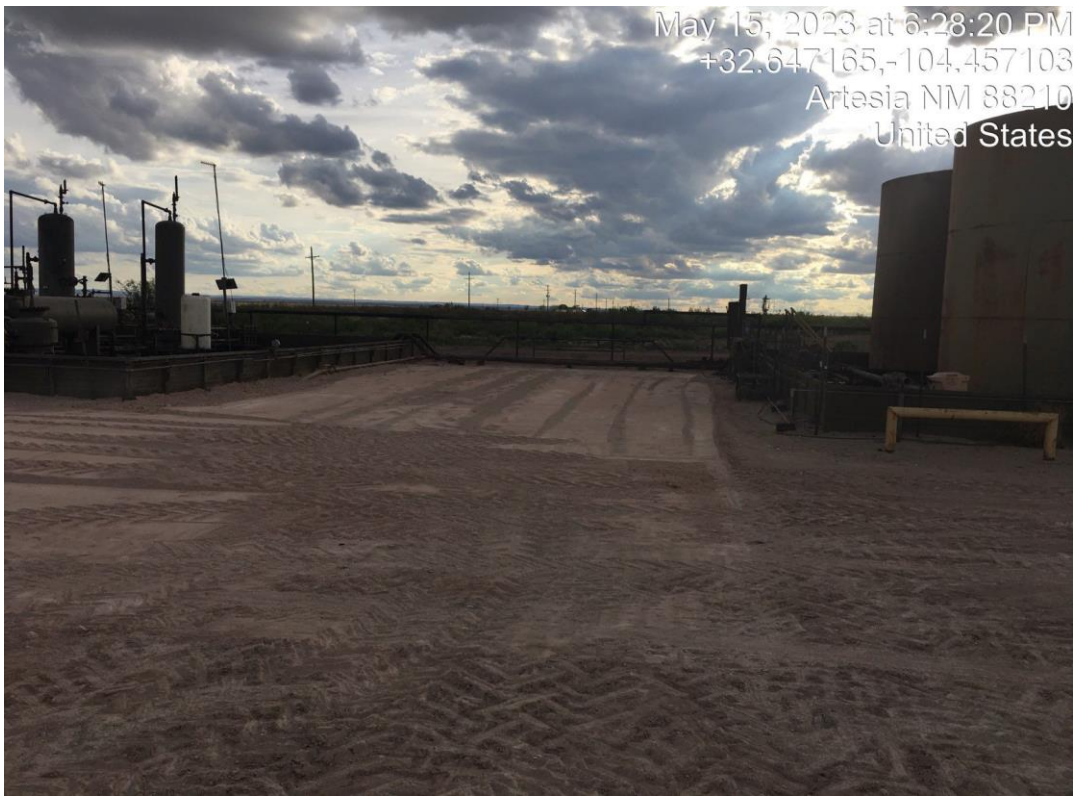
Photo Number: 7	
Photo Direction: West	
Photo Description: View of remediated area after backfill and grading.	

Photo Number: 8	
Photo Direction: South	
Photo Description: View of remediated area after backfill and grading.	

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

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

CONDITIONS

Action 220810

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 220810
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2310037542 ARKANSAS 23 FEE #004, thank you. This closure is approved.	10/18/2023