State of New Mexico
Oil Conservation Division

Incident ID	nAPP2232057099
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	Unknown (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

Incident ID	nAPP2232057099
District RP	
Facility ID	
Application ID	

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

Printed Name: Katherine Purvis Title: EHS Coordinator

Signature: Katherine Purvis Date: 05/05/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 05/08/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2232057099
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: 05/05/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 05/08/2023

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: Shelly Wells Date: 10/16/2023

Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

Remediation Summary and Soil Closure Request

Spur Energy Partners, LLC
Halberd 27 State Com South
Eddy County, New Mexico
Unit Letter N, Section 26, Township 17 South, Range 28 East
Latitude 32.80154 North, Longitude 104.15319 West
NMOCD Reference No. nAPP2232057099

Prepared By:

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

Zach Conder

Matt Grieco

ETECH 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 Halberd 27 State Com South (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.80154 Longitude: -104.15319

Provided GPS are in WGS84 format.

Site Name:	Halberd 27 State Com South	Site Type:	Tank Battery
Date Release Discovered:	11/16/2022	API # (if applicable):	30-015-49360

Unit Letter	Section	Township	Range	County
N	26	17S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name COG Operating LLC & Concho Oil & Gas LLC)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 1200 bbls	Volume Recovered (bbls) 1150 bbls
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[X] Yes [ ] 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:
Generator failure cuased the transfer pump not to work.

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?	Unknown
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	Method	Closure Criteria	Reclamation Standard*
Uknown	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	-	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 REMEDIATION ACTIVITIES SUMMARY

On March 17, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria.

From March 20 to 21, 2023, Etech collected twenty-one (21) confirmation soil samples (FL 1 @ 2', FL 1.5 @ 2', FL 2 @ 1.5', FL 3 @ 8", FL 4 @ 2', EW 1, EW 2, EW 3, EW 4, NW 1, NW 2, NW 3, NW 4, SW 1, SW 2, SW 3, SW 4, WW 1, WW 2, WW 3, and WW 4). The collected soil samples were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples, with the exception of soil samples NW 1 (1,880 mg/kg chloride) and SW 1 (889 mg/kg TPH).

On March 23, 2023, excavation activities resumed at the Site. Impacted soil in the areas characterized by sample points NW 1 and SW 1 were excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil remaining in-situ, Etech collected, two (2) additional confirmation soil samples (NW 1B and SW 1B) and submitted them to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

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

During the course of remediation activities, approximately 160 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with 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. Affected areas were within the boundaries of the production pad and will be reseeded following the closure and reclamation of the Site.

6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate 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 Halberd 27 State Com South site.

7.0 LIMITATIONS

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

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

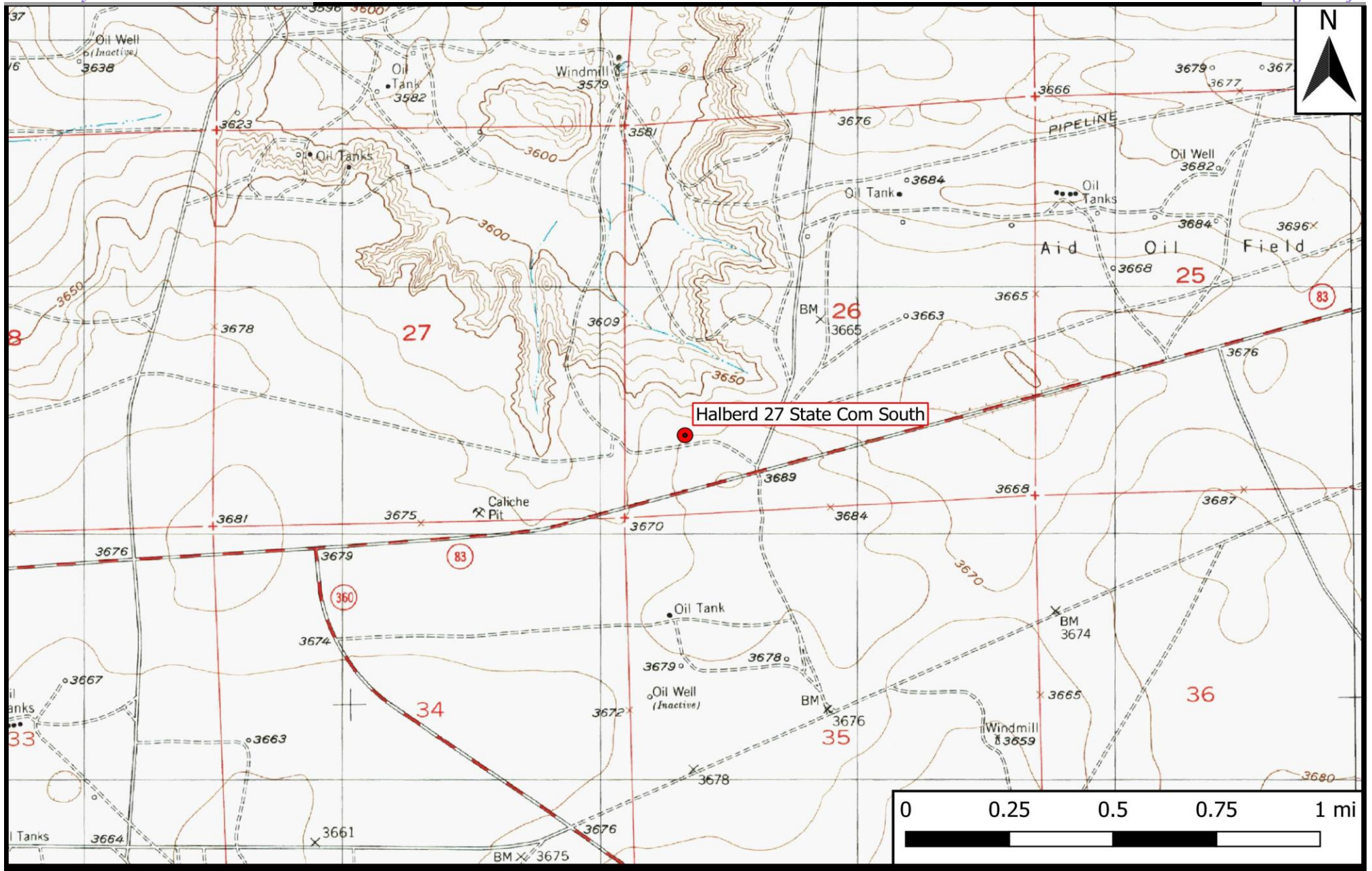
8.0 DISTRIBUTION

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

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

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map

Spur Energy Partners, LLC

Halberd 27 State Com South

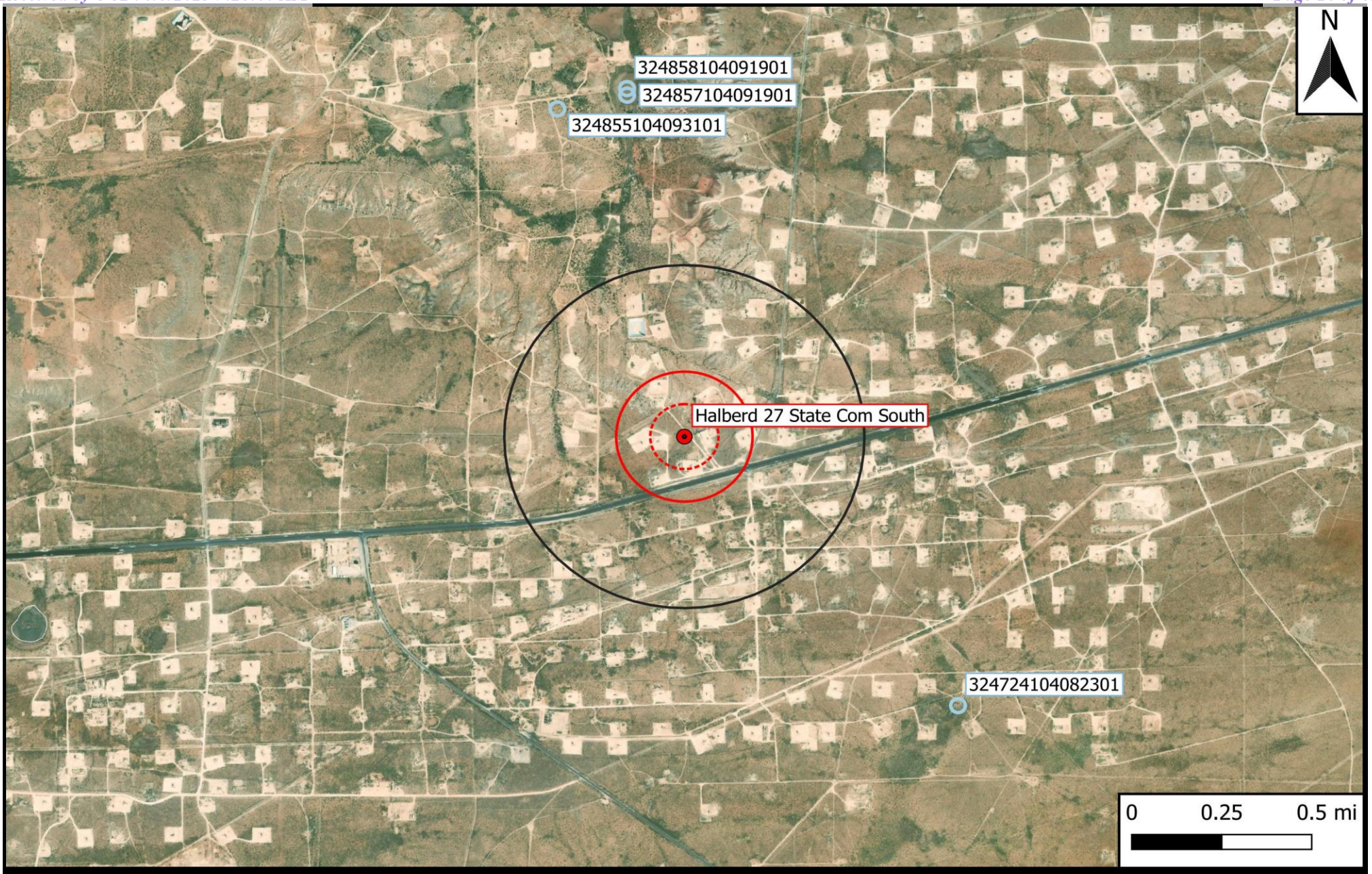
GPS: 32.80154, -104.15319

Eddy County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/25/23

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

Halberd 27 State Com South

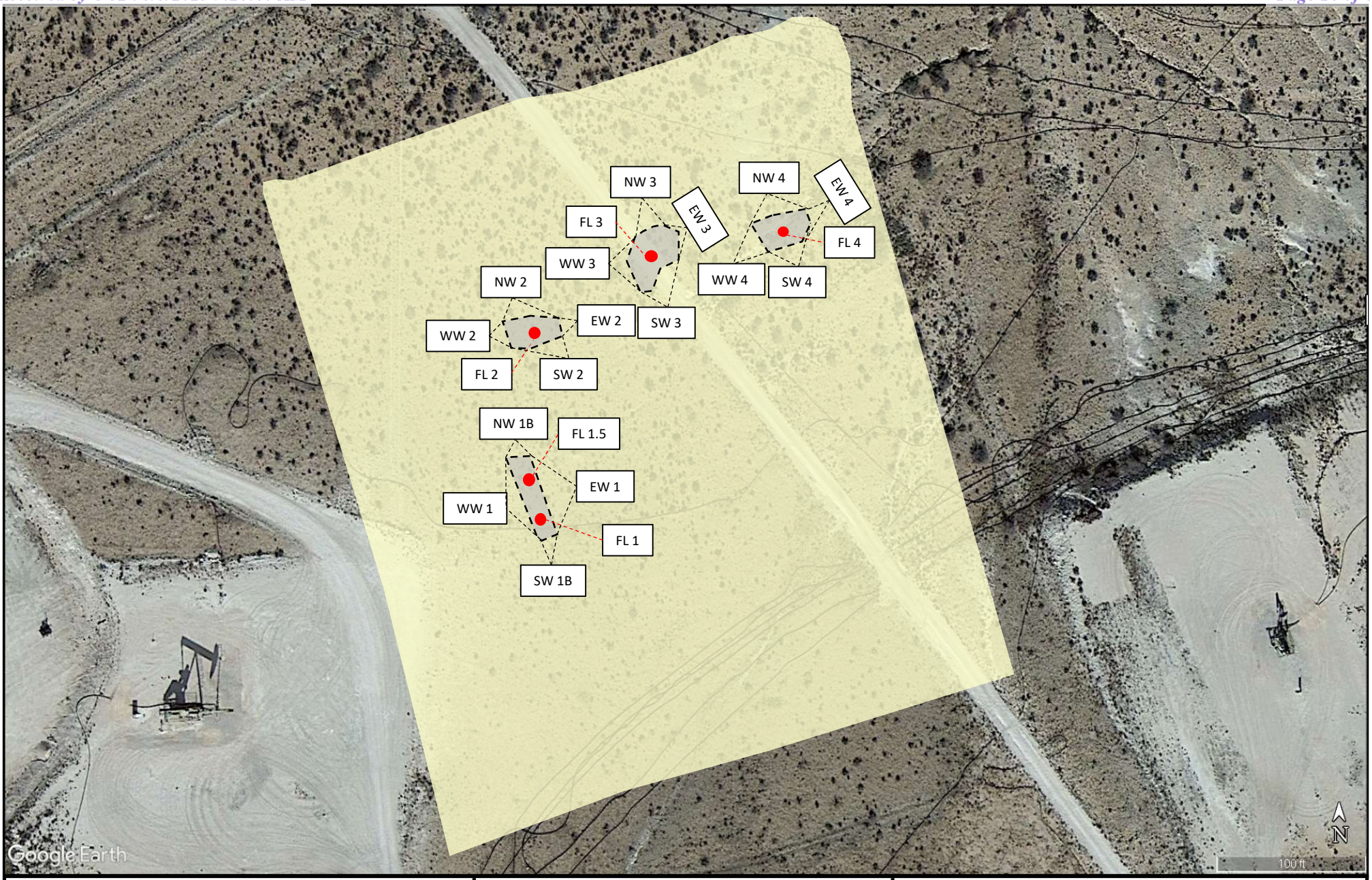
GPS: 32.80154, -104.15319

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/25/23

Figure 3
Site and Sample Location Map



Legend:

- Sample Point
- Excavated Area
- Production Pad
- Composite Wall Sample

Figure 3

Site and Sample Location Map

Spur Energy Partners, LLC

Halberd 27 State Com South

GPS: 32.80154, -104.15319

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: ZPC Checked: MG Date: 5/2/23

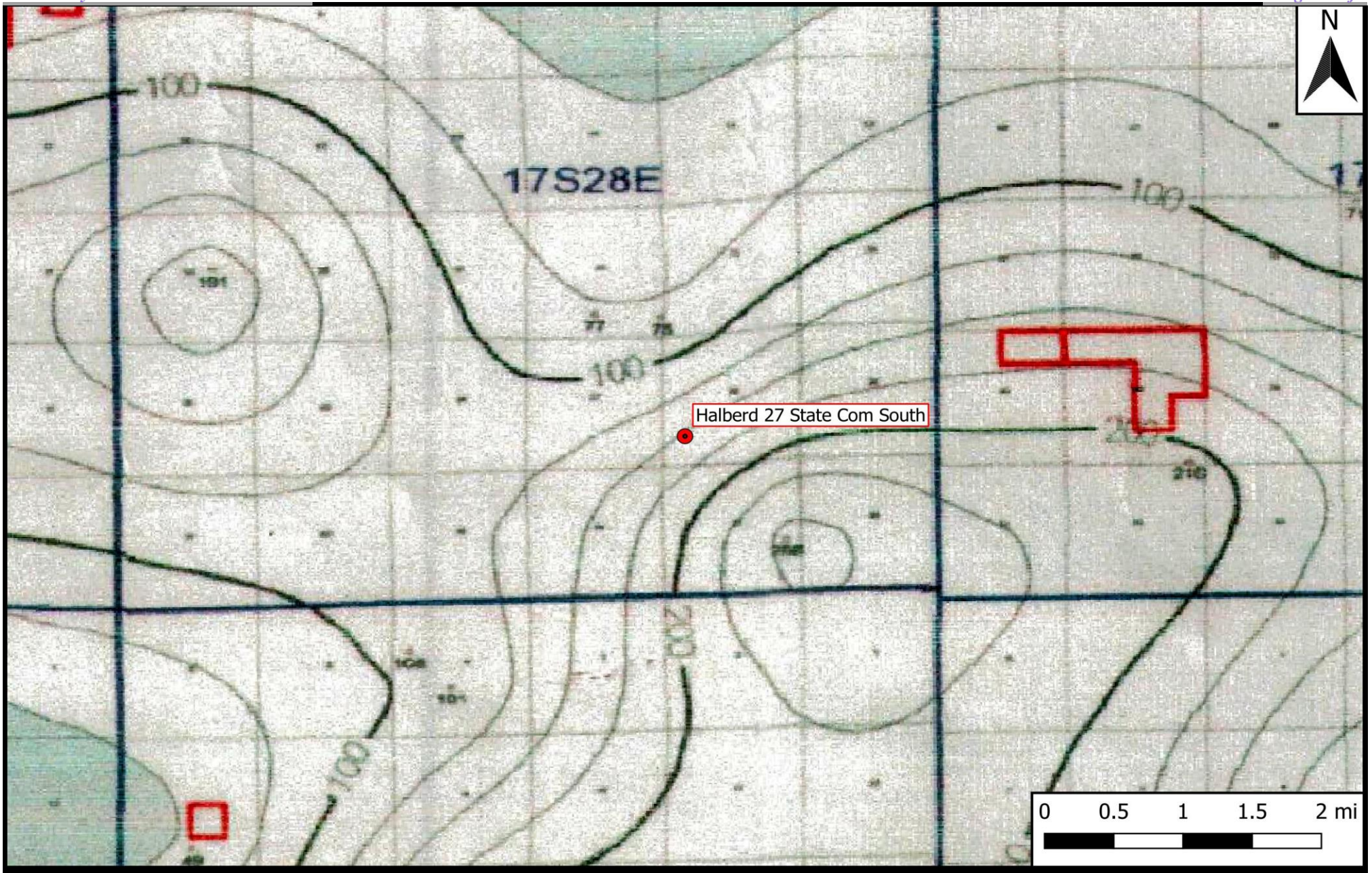
Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Halberd 27 State Com South
NMOCD Ref. #: nAPP2232057099

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)**
FL 1 @ 2'	3/20/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 1.5 @ 2'	3/20/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 2 @ 1.5'	3/20/2023	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 3 @ 8"	3/21/2023	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 4 @ 2'	3/20/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW 1	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EW 2	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 3	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW 4	3/20/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
NW 1	3/21/2023	0-	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	**1,880**
NW 1B	3/23/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW 2	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 3	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 4	3/20/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SW 1	3/21/2023	0-	Excavated	<0.050	<0.300	<10.0	546	546	343	**889**	208
SW 1B	3/23/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW 2	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 3	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
SW 4	3/20/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
WW 1	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
WW 2	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 3	3/21/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 4	3/20/2023	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480

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

Halberd 27 State Com South

GPS: 32.80154, -104.15319

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/25/23

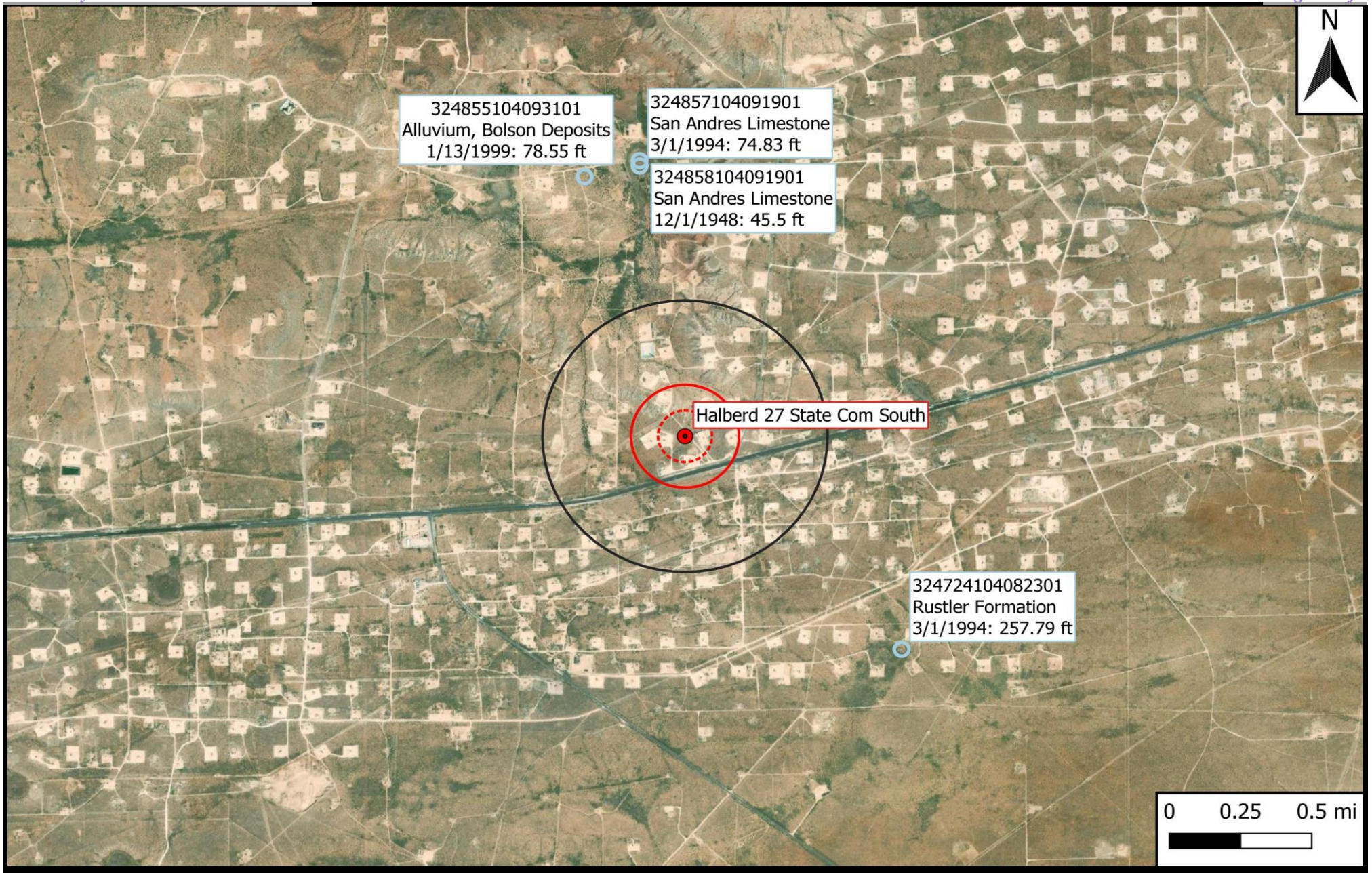
New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 579283.29 **Northing (Y):** 3629603.41 **Radius:** 804.67



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
Halberd 27 State Com South
GPS: 32.80154, -104.15319
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/25/23

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 =
- 324724104082301

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

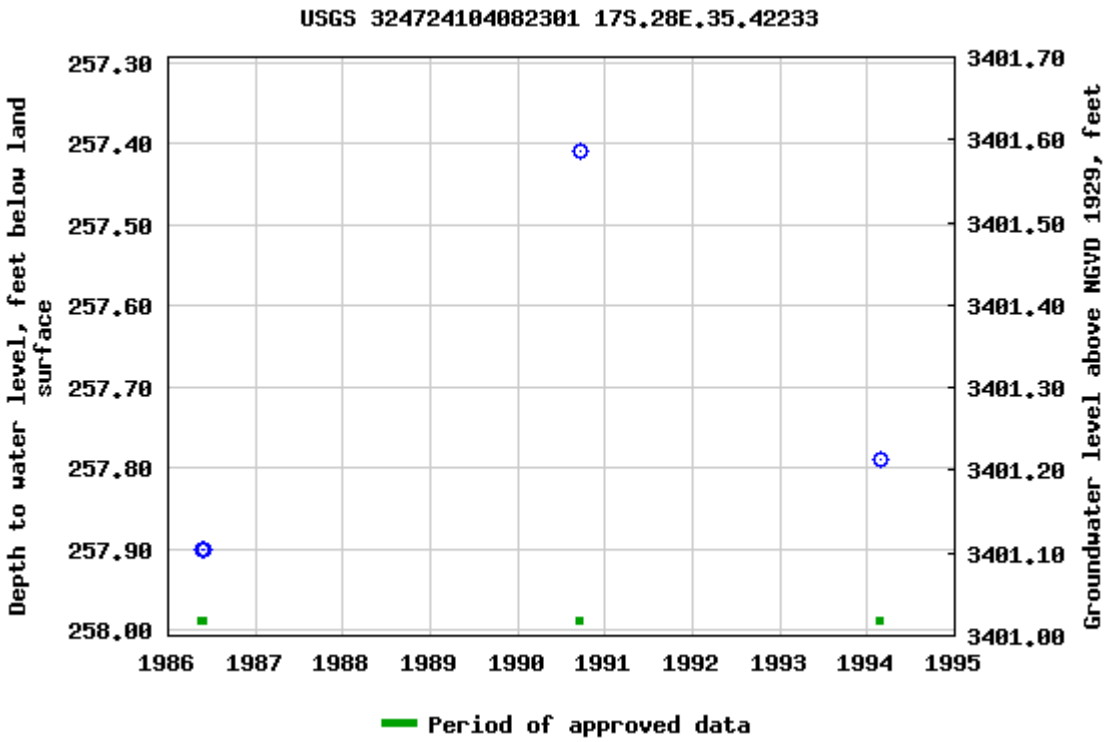
USGS 324724104082301 17S.28E.35.42233

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°47'24", Longitude 104°08'23" NAD27
Land-surface elevation 3,659 feet above NGVD29
The depth of the well is 280.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

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 =
- 324855104093101

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

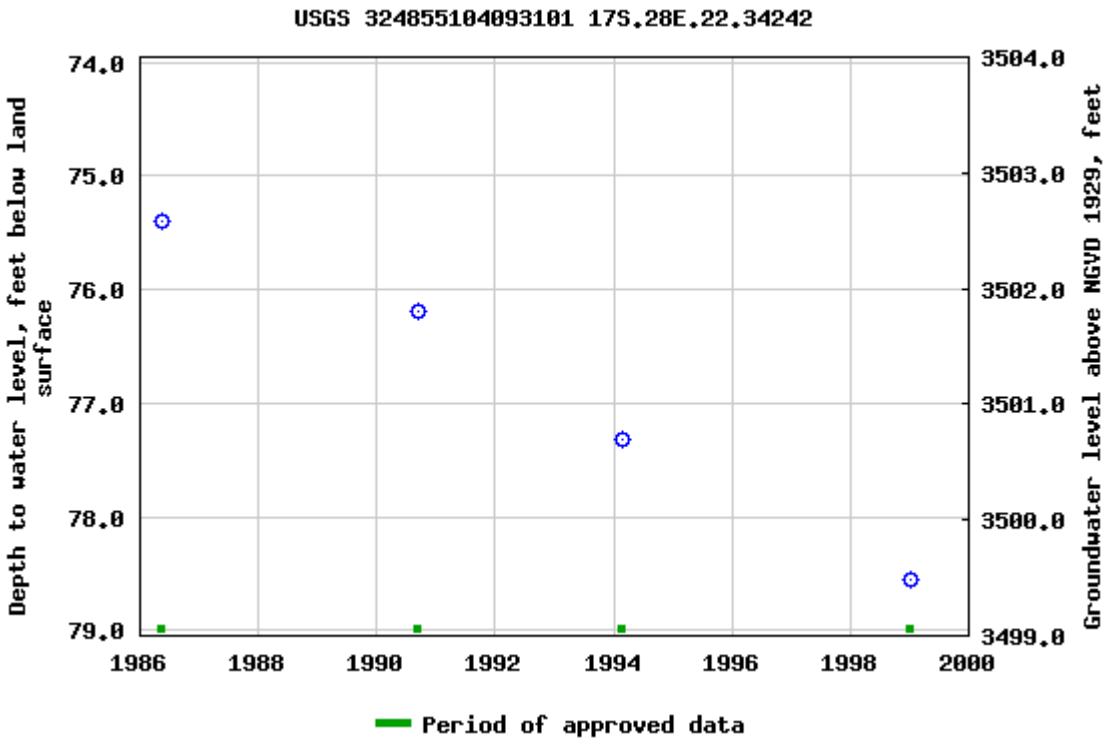
USGS 324855104093101 17S.28E.22.34242

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°48'55", Longitude 104°09'31" NAD27
Land-surface elevation 3,578 feet above NGVD29
The depth of the well is 95.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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: 2023-02-14 14:50:42 EST
0.59 0.5 nadww01

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 =
- 324857104091901

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

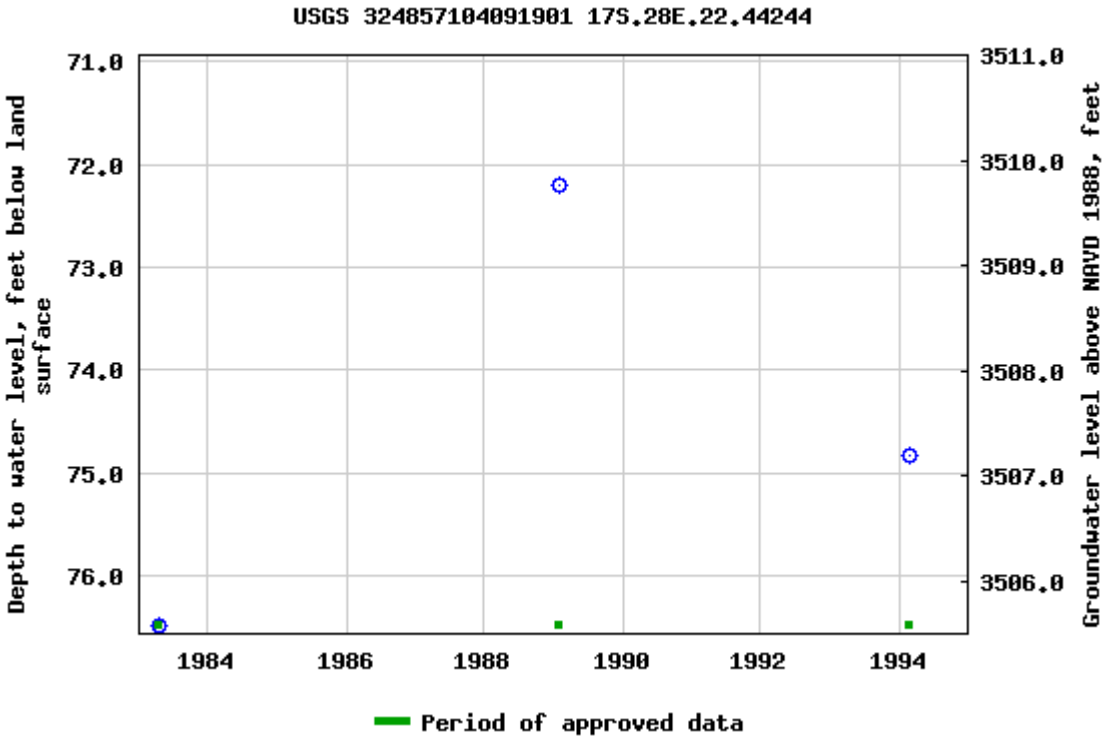
USGS 324857104091901 17S.28E.22.44244

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

Eddy County, New Mexico
Hydrologic Unit Code 13060007
Latitude 32°48'57", Longitude 104°09'19" NAD27
Land-surface elevation 3,582 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the San Andres Limestone (313SADR) 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
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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 =
- 324858104091901

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

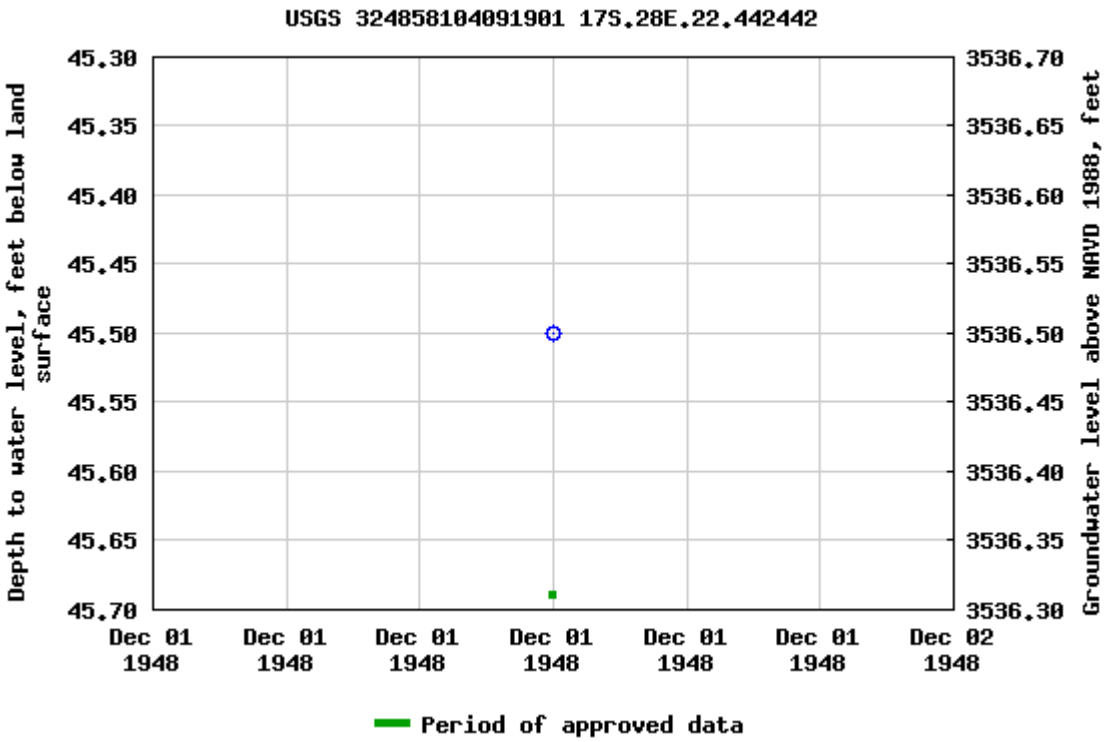
USGS 324858104091901 17S.28E.22.442442

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

Eddy County, New Mexico
Hydrologic Unit Code 13060007
Latitude 32°48'58", Longitude 104°09'19" NAD27
Land-surface elevation 3,582 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the San Andres Limestone (313SADR) 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: 2023-02-14 14:50:43 EST
0.54 0.48 nadww01

Appendix B
Field Data and Soil Profile Logs

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 3-20-23

Project: Halbert State Com South

Project Number: 17600 Latitude: 32.80154 Longitude: -104.15319

Sample ID	PID/Odor	Chloride Conc.		GPS
✓FL 4 @ 2'	None	2.8	328	
✓WW 4 @	None	3.6	500	
✓EW 4	None	3.0	408	
✓SW 4	None	3.8	552	
✓FL2 @1.5	none	2.1	256	
✓NW 4	None	3.2	408	
✓FL1.5 @2	none	3.8	552	
✓FL1 @2	none	3.6	500	
✓EW2	none	~~2.8~~ 2.8	328	
✓NW1	none	3.8	552	
✓EW1	none	3.8	552	
✓SW1	none	3.0	408	
✓NW1	none	3.6	500	
✓WW2	none	3.8	552	
✓SW2	none	3.6	500	
NW2	none	2.0	200	
✓NW3	none	3.0	408	
✓FL3 @ 8"	none	2.4	256	
✓SW3	none	3.8	552	
✓EW3	None	2.4	256	
✓WW3	None	3.0	408	

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

eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Date: 3-30-23

Project: Halbert State Com South

Project Number: 17600 Latitude: 32.80154 Longitude: -104.15319

Depth (ft. bgs)	Description
1	Caliche / Pad Material
2	Caliche / Dirt
3	
4	
5	
6	
7	
8	
9	
10	
11	
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Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

March 24, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HALBERD 27 STATE COM SOUTH

Enclosed are the results of analyses for samples received by the laboratory on 03/23/23 12:14.

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,

Mike Snyder For 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:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: NW 1B (H231333-01)

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	03/23/2023	ND	2.02	101	2.00	0.940	
Toluene*	<0.050	0.050	03/23/2023	ND	2.05	103	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.15	108	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.63	110	6.00	2.53	
Total BTEX	<0.300	0.300	03/23/2023	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	03/24/2023	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	03/23/2023	ND	168	84.0	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/23/2023	ND	173	86.6	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane *122 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *147 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For 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:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: SW 1B (H231333-02)

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	03/23/2023	ND	2.02	101	2.00	0.940	
Toluene*	<0.050	0.050	03/23/2023	ND	2.05	103	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.15	108	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.63	110	6.00	2.53	
Total BTEX	<0.300	0.300	03/23/2023	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	**192**	16.0	03/24/2023	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	03/23/2023	ND	168	84.0	200	3.23	
DRO >C10-C28*	<10.0	10.0	03/23/2023	ND	173	86.6	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane *123 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *145 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For 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

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Spur Energy Partners, LLC
Project Manager:	Zach Conder
Address:	3100 Plains Hwy
City:	Lovington **State:** NM **Zip:** 88260
Phone #:	575-396-2378 **Fax #:** 575-396-1429
Project #:	~~17670~~ 17600 **Project Owner:** Spur Energy Partners, LLC
Project Name:	~~Mayaro 22 St.~~ * Halbert 27 State Com South
Project Location:	UL/ Sec TS - RE
Sampler Name:	Zach Conder

BILL TO

P.O. #:	
Company:	Spur Energy Partners, LLC
Attn:	Kathy Purvis
Address:	9655 Katy Freeway
City:	Houston
State:	TX **Zip:** 77024
Phone #:	575-441-8619
Fax #:	

ANALYSIS REQUEST

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	BTEX 8021
H231333																	
1	NW 1b	C	1			X					X		3/23/23	9:00	X	X	X
2	SW 1b	C	1			X					X		3/23/23	9:05	X	X	X

Relinquished By:	Date: 3/23/23	**Received By:**	
	Time: 12:14		
Relinquished By:	Date:	**Received By:**	
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.9c / 3.3c #113

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

CHECKED BY: (Initials) TB

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

REMARKS: Email results to zach@etechenv.com pm@etechenv.com

* Customer requested name change TO: 3/24/23

RUSH 24HRS

† 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

March 22, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: HALBERD 27 STATE COM SOUTH

Enclosed are the results of analyses for samples received by the laboratory on 03/21/23 13:10.

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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: FL 4 @ 2' (H231271-01)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**208**	16.0	03/22/2023	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	03/21/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane *85.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.3 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: WW 4 (H231271-02)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**480**	16.0	03/22/2023	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	03/21/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane *88.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.3 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: EW 4 (H231271-03)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**480**	16.0	03/22/2023	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	03/21/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane *88.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.7 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: SW 4 (H231271-04)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**448**	16.0	03/22/2023	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	03/21/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/21/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/21/2023	ND					

Surrogate: 1-Chlorooctane *86.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.1 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: NW 4 (H231271-05)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**224**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *88.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.3 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: FL 1 @ 2' (H231271-06)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**208**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *78.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.5 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: FL 1.5 @ 2' (H231271-07)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**224**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *85.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.4 %* *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:	03/21/2023	Sampling Date:	03/20/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: FL 2 @ 1.5' (H231271-08)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**64.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

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Analytical Results For:

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HOBBS NM, 88240
Fax To:

Received:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: EW 2 (H231271-09)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**48.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *78.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.6 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: WW 1 (H231271-10)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**224**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *84.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.3 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: EW 1 (H231271-11)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**320**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *87.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.1 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: SW 1 (H231271-12)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**208**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	**546**	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	**343**	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *84.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: NW 1 (H231271-13)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**1880**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *93.8 %* *48.2-134*

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

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Analytical Results For:

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HOBBS NM, 88240
Fax To:

Received:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: WW 2 (H231271-14)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**48.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *83.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.1 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: SW 2 (H231271-15)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**96.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *88.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.6 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: NW 2 (H231271-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**96.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *85.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.4 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: NW 3 (H231271-17)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**80.0**	16.0	03/22/2023	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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *84.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.6 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: FL 3 @ 8' (H231271-18)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	03/22/2023	ND	464	116	400	3.51	

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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *78.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.7 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: SW 3 (H231271-19)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	**544**	16.0	03/22/2023	ND	464	116	400	3.51	

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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *74.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.0 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: EW 3 (H231271-20)

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	03/21/2023	ND	2.07	103	2.00	1.28	
Toluene*	<0.050	0.050	03/21/2023	ND	2.07	104	2.00	0.198	
Ethylbenzene*	<0.050	0.050	03/21/2023	ND	2.17	109	2.00	0.760	
Total Xylenes*	<0.150	0.150	03/21/2023	ND	6.69	112	6.00	0.837	
Total BTEX	<0.300	0.300	03/21/2023	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	03/22/2023	ND	464	116	400	3.51	

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	03/22/2023	ND	165	82.4	200	1.38	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.3	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *83.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *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:	03/21/2023	Sampling Date:	03/21/2023
Reported:	03/22/2023	Sampling Type:	Soil
Project Name:	HALBERD 27 STATE COM SOUTH	Sampling Condition:	Cool & Intact
Project Number:	17600	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - UL/M SEC 26 T17S - R28E		

Sample ID: WW 3 (H231271-21)

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	03/22/2023	ND	2.11	106	2.00	1.40	
Toluene*	<0.050	0.050	03/22/2023	ND	2.13	106	2.00	1.09	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.22	111	2.00	1.04	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.82	114	6.00	1.36	
Total BTEX	<0.300	0.300	03/22/2023	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	**112**	16.0	03/22/2023	ND	464	116	400	3.51	

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	03/22/2023	ND	164	82.0	200	0.801	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	157	78.7	200	0.595	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane *79.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.3 %* *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

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

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Spur Energy Partners, LLC	**BILL TO**	
Project Manager:	Zach Conder	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	Spur Energy Partners, LLC
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Kathy Purvis
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	9655 Katy Freeway, Suite 50
Project #:	17600 **Project Owner:** Spur Energy Partners, LLC	**City:**	Houston
Project Name:	Halberd 27 State Com South	**State:** TX **Zip:**	77024
Project Location:	UL/ M Sec 26 T17S - R28E	**Phone #:**	575-441-8619
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	BTEX 8021
H23127	9a 3/21/23																
1	FL 4 @ 2'	C	1			X					X		3-20-23	9:00	X	X	X
2	WW 4	C	1			X					X		3-20-23	9:05			
3	EW 4	C	1			X					X		3-20-23	9:10			
4	SW 4		1											9:15			
5	NW 4		1											9:20			
6	FL 1 @ 2'		1											12:00			
7	FL 1.5 @ 2'		1											12:05			
8	FL 2 @ 1.5		1											12:10			

Relinquished By:	**Date:** 3-20-23 **Time:** 1:55	**Received By:**	Jose Cardona
Relinquished By:	**Date:** 3-21-23 **Time:** 7:10	**Received By:**	Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#113 -6.5c/-7.1c	**Sample Condition** Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)** TO

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

REMARKS: Email results to zach@etechenv.com pm@etecnenv.com

RUSH

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Spur Energy Partners, LLC	**BILL TO**	
Project Manager:	Zach Conder	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	Spur Energy Partners, LLC
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Kathy Purvis
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	9655 Katy Freeway, Suite 50
Project #:	17600 **Project Owner:** Spur Energy Partners, LLC	**City:**	Houston
Project Name:	Halberd 27 State Com South	**State:** TX **Zip:**	77024
Project Location:	UL/ M Sec 26 T17S - R28E	**Phone #:**	575-441-8619
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	BTEX 8021									
H23127	TO 3/21/23																									
9	EW2	C	1			X					X		3-21-23	8:00	X	X	X									
10	WW1													8:05												
11	EW1													8:10												
12	SW1													8:15												
13	NW1													8:20												
14	WW2													8:25												
15	SW2													8:30												
16	NW2													8:35												
17	NW3													11:20												
18	FL3 @ 8"													11:05												

Relinquished By:	**Date:** 3-21-23 **Time:** 1:55	**Received By:**	Jose Cardona
Relinquished By: Jose Cardona	**Date:** 3-21-23 **Time:** 1310	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#113 -6.5c/-7.1c	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** TO

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

REMARKS: Email results to zach@etechenv.com pm@etechenv.com

RUSH

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Spur Energy Partners, LLC	**BILL TO**	
Project Manager:	Zach Conder	**P.O. #:**	
Address:	3100 Plains Hwy	**Company:**	Spur Energy Partners, LLC
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Kathy Purvis
Phone #:	575-396-2378 **Fax #:** 575-396-1429	**Address:**	9655 Katy Freeway, Suite 50
Project #:	17600 **Project Owner:** Spur Energy Partners, LLC	**City:**	Houston
Project Name:	Halberd 27 State Com South	**State:** TX **Zip:**	77024
Project Location:	UL/ M Sec 26 T17S - R28E	**Phone #:**	575-441-8619
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	BTEX 8021
H23127	T 3/21/23																
19	SW 3	C	1			X					X		3-21-23	11:10	X	X	X
20	E W 3					1					1		1	11:15	1	1	1
21	W W 3													11:20			

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:** 3-21-22 **Time:** 1:55	**Received By:**	Jose Cardona
Relinquished By: Jose Cardona	**Date:** 3-21-23 **Time:** 1310	**Received By:**	Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#113 -4.5c / -7.1c	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** T.O.

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

REMARKS: Email results to zach@etechenv.com
pm@etechenv.com

RUSH

Appendix D
Photographic Log

Photographic Log

Photo Number: #1 **Photo Direction:** North **Photo Description:** Open excavation.	

Photo Number: #2 **Photo Direction:** North **Photo Description:** Open excavation.	

Photographic Log

Photo Number: #3	
Photo Direction: West	
Photo Description: Backfilled area.	

Photo Number: #4	
Photo Direction: Northwest	
Photo Description: Backfilled area.	

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
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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

CONDITIONS

Action 213991

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	328947
	Action Number: 213991
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/16/2023