

Incident ID	nAPP2220925832
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: 5/30/23
email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

OCD Only

Received by: Jocelyn Harimon Date: 06/14/2023

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: 11/15/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	nAPP2220925832
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?	<u>> 50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2220925832
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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)
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- ☒ Description of remediation activities

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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 Foster Eddy #10

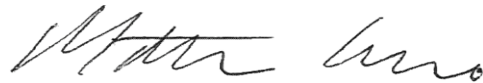
Eddy County, New Mexico
Unit Letter F, Section 17, Township 17 South, Range 31 East
Latitude 32.8354 North, Longitude 103.8951 West
NMOCD Reference No. nAPP2220925832

Prepared By:

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



Zach Conder



Matthew Grieco



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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- Appendix C - Laboratory Analytical Reports
- Appendix D - Photographic Log

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 Foster Eddy #10 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.83540 Longitude: -103.89510

Provided GPS are in WGS84 format.

Site Name:	Foster Eddy #10	Site Type:	Pumping Unit
Date Release Discovered:	7/27/2022	API # (if applicable):	30-015-26308

Unit Letter	Section	Township	Range	County
F	17	17S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name _____)

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	1	Volume Recovered (bbls)	0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	5	Volume Recovered (bbls)	0
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released		Volume/Weight Recovered	

Cause of Release:
A 3-inch poly flowline burst.

Initial Response

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

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the 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. Additionally, a search of the online imaging portal maintained by the New Mexico Oil Conservation Division (NMOCD) was conducted for groundwater data in previously submitted reports. 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?		
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; NMOCD online imaging reports; and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5. On June 7, 2012, an investigative soil boring (Incident Id: nMLB1209749312) was advanced approximately .23 Mi southeast of the Site. The investigative soil boring was advanced to a total depth of 80 ft bgs. During the advancement of the investigative soil boring no groundwater was encountered.

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	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	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 REMEDIATION ACTIVITIES SUMMARY

On April 3, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria and/or 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 BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Etech collected eleven (11) confirmation soil samples (FL 1 @ 2, FL 2 @ 2, FL 3 @ 5, FL 4 @ 5, FL 5 @ 1, EW 1, EW 2, SW 1, SW 2, WW 1, and WW 2) from the walls and floor of the excavated area. The collected soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory Method Detection Limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 16.0 mg/kg in soil sample FL 1 @ 2 to 192 mg/kg in soil samples FL 4 @ 5 and WW 2.

On April 5, 2023, Etech collected eight (8) confirmation soil samples (FL 6, FL 7 @ 4, FL 8 @ 5, FL 10 @ 15, EW 3, EW 4, WW 3, and WW 4) from the walls and floor of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples, with the exception of soil sample FL 7 @ 4, which exhibited GRO+DRO and TPH concentrations of 5,520 mg/kg and 6,380 mg/kg, respectively. BTEX and TPH concentrations were less than the laboratory MDL in all samples other than FL 7 @ 4, which exhibited a BTEX concentration of 4.88 mg/kg. Chloride concentrations ranged from 16.0 mg/kg in soil samples EW 4 and WW 4 to 512 mg/kg in soil sample FL 10 @ 15.

On April 12, 2023, impacted soil in the area characterized by soil sample FL 7 @ 4 was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. Etech collected seven (7) confirmation soil samples (FL 7 @ 5, FL 9 @ 8, FL 11 @ 10, FL 12 @ 8, EW 5, NW 1, and WW 5) from the walls and floor of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 48.0 mg/kg in soil sample FL 9 @ 8 to 4,560 mg/kg in soil sample FL 12 @ 8.

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

During the course of remediation activities, approximately 1,840 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal, and approximately 2,020 cubic yards of soil was imported to the Site for use as backfill.

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 not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure 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 and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that in-situ 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 Foster Eddy #10 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

United States Department of the Interior

Bureau of Land Management

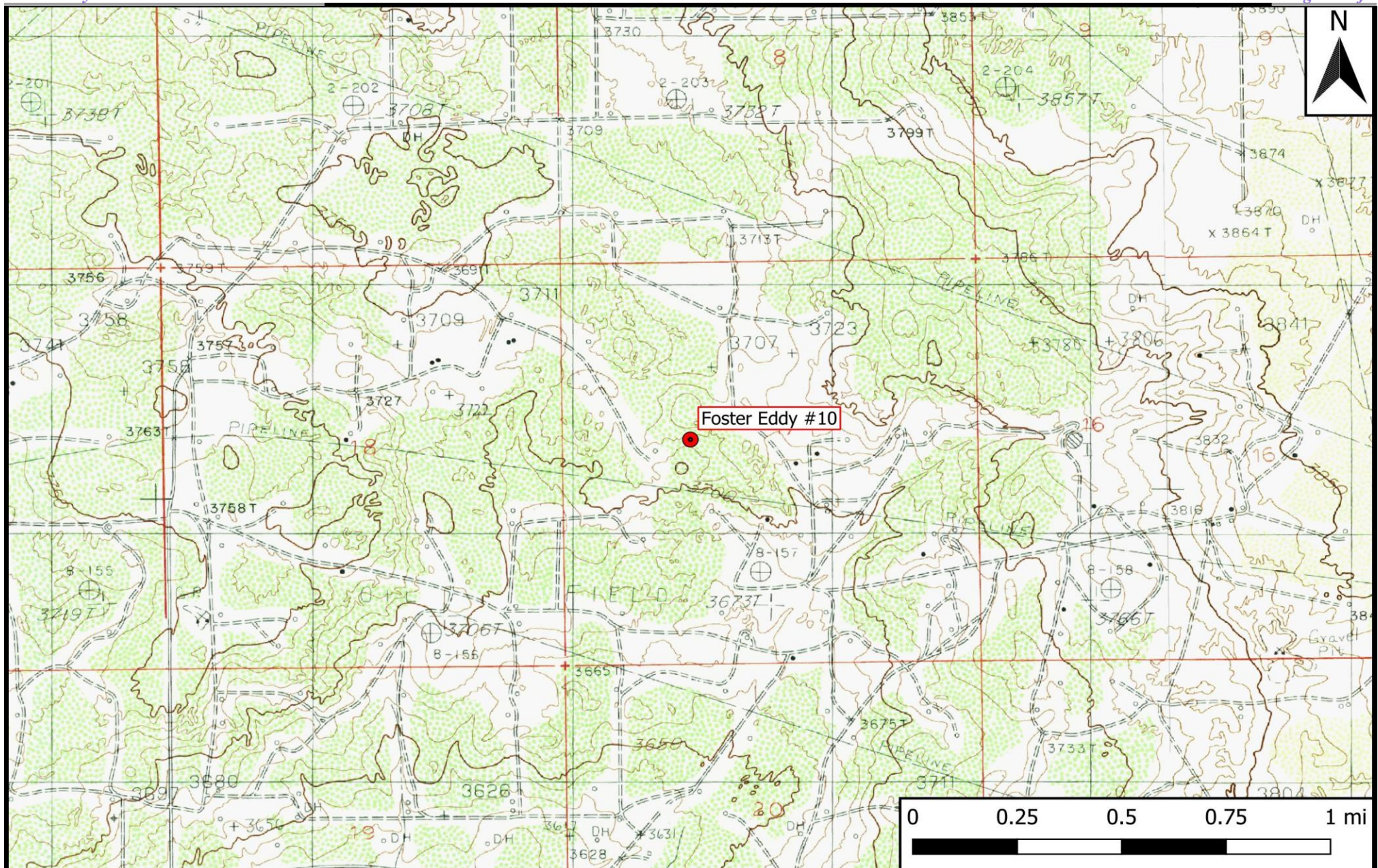
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 Spur Energy Partners, LLC
 Foster Eddy #10
 GPS: 32.8354, -103.8951
 Eddy County



Drafted: mag

Checked: jwl

Date: 4/6/23

Figure 2

Aerial Proximity Map

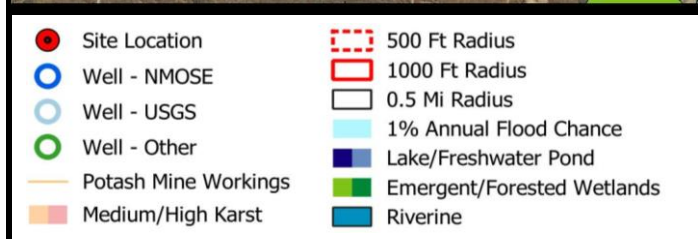
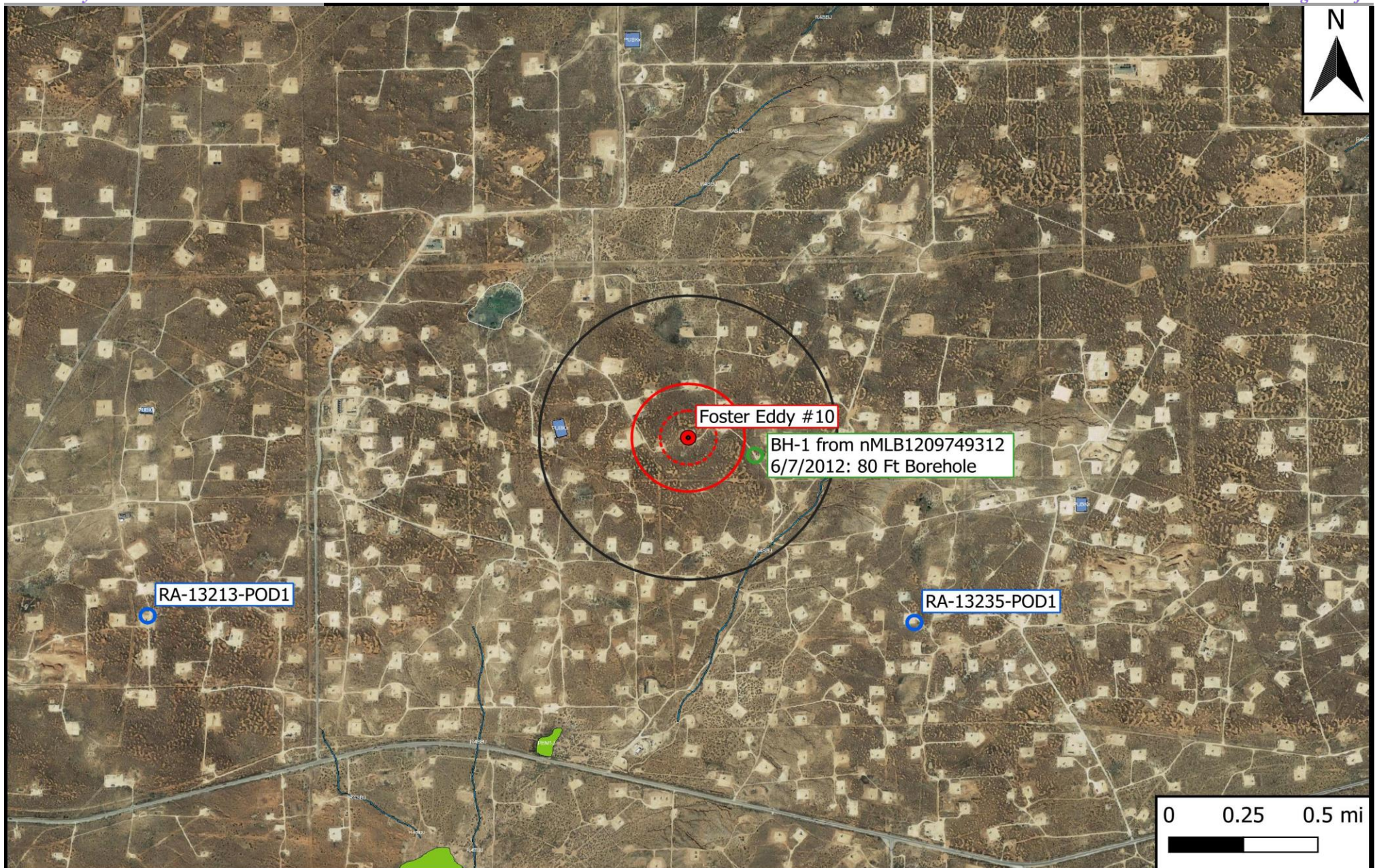


Figure 2
 Aerial Proximity Map
 Spur Energy Partners, LLC
 Foster Eddy #10
 GPS: 32.8354, -103.8951
 Eddy County



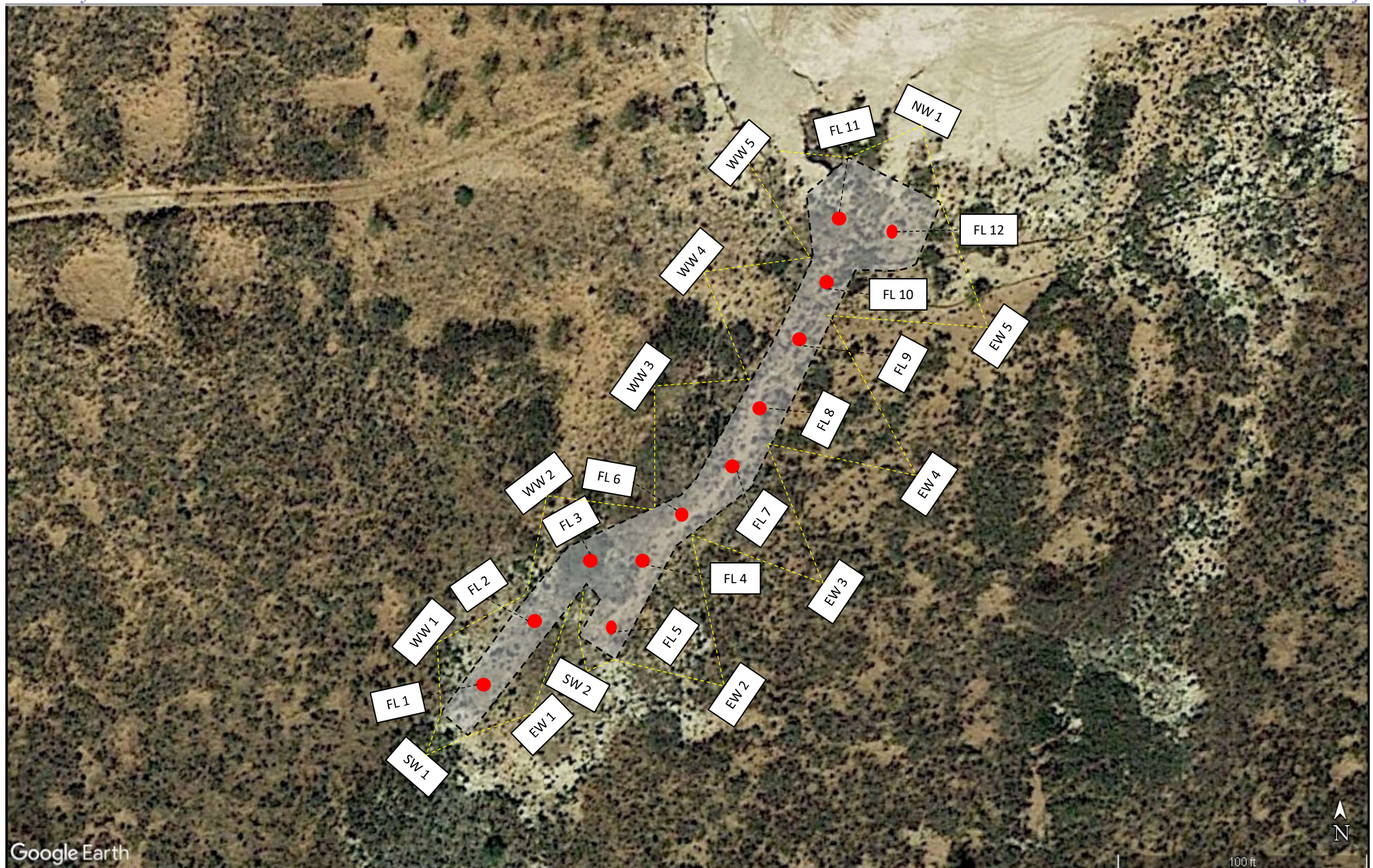
Drafted: mag

Checked: jwl

Date: 5/25/23

Figure 3

Site and Sample Location Map



Google Earth

Legend:

- Composite Floor Sample
- Excavated Area
- Composite Wall Sample

Figure 3

Site and Sample Location Map
 Spur Energy Partners, LLC
 Foster Eddy #10
 GPS: 32.8354, -103.8951
 Eddy County



Drafted: ZPC

Checked: MG

Date: 5/12/23

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

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Foster Eddy #10
NMOCD Ref. #: nAPP2220925832

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 1 @ 2	4/3/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 2 @ 2	4/3/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 3 @ 5	4/3/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 4 @ 5	4/3/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 5 @ 1	4/3/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 6	4/5/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 7 @ 4	4/5/2023	4	Excavated	<0.050	4.88	484	5,040	5,520	854	6,380	224
FL 7 @ 5	4/12/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 8 @ 5	4/5/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 9 @ 8	4/12/2023	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 10 @ 15	4/5/2023	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 11 @ 10	4/12/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 12 @ 8	4/12/2023	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,560
EW 1	4/3/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 2	4/3/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 3	4/5/2023	0-5	In-Situ	<0.050	<0.300	<10.0	59.6	59.6	<10.0	59.6	160
EW 4	4/5/2023	0-15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 5	4/12/2023	0-10	In-Situ	<0.050	<0.300	<10.0	10.7	10.7	<10.0	10.7	416
NW 1	4/12/2023	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
SW 1	4/3/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 2	4/3/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 1	4/3/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 2	4/3/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WW 3	4/5/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 4	4/5/2023	0-15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 5	4/12/2023	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496

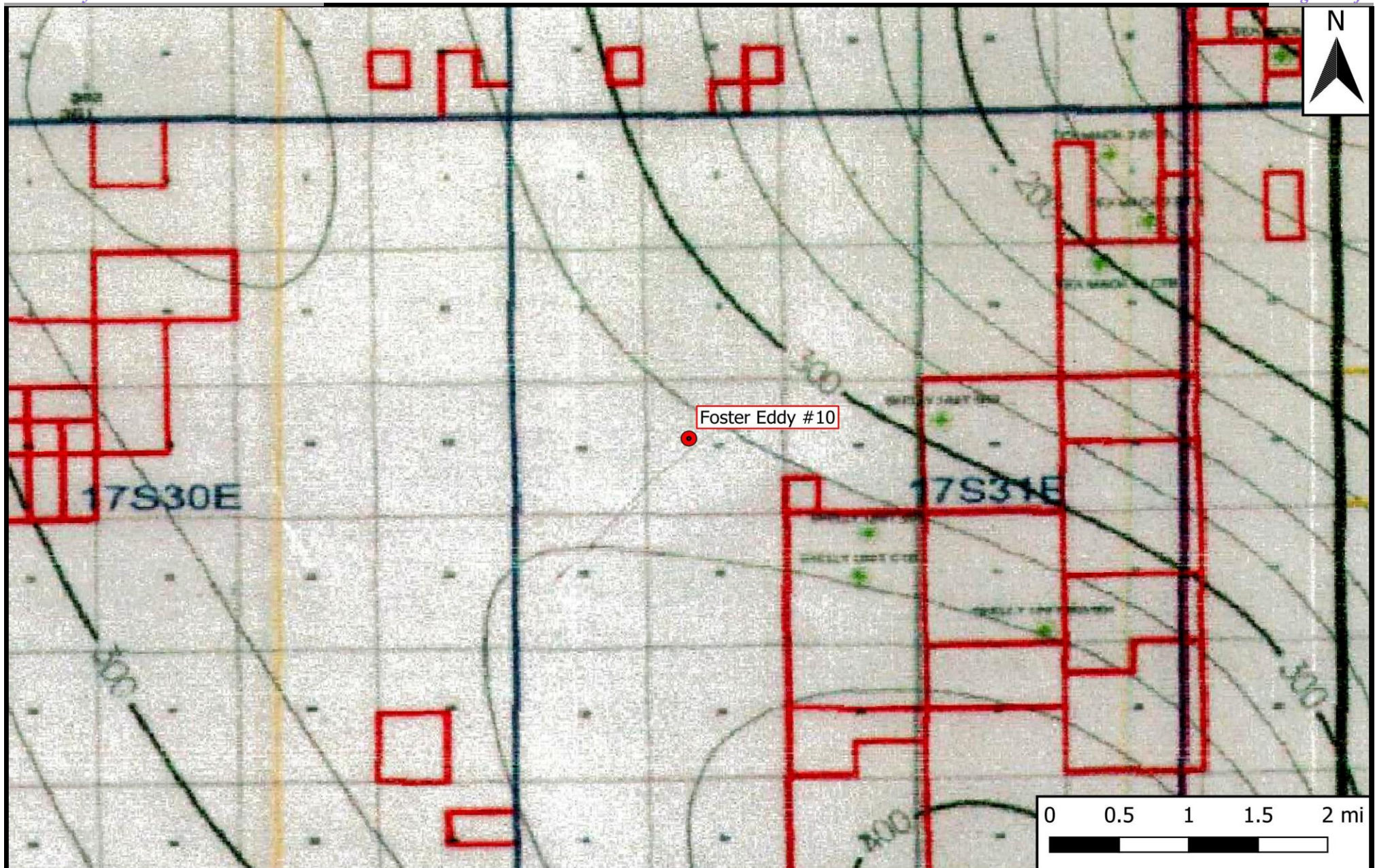
Dash (-): Sample not analyzed for that constituent.

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
 Foster Eddy #10
 GPS: 32.8354, -103.8951
 Eddy County



Drafted: mag

Checked: jwl

Date: 4/6/23

Table 1
COG Operating LLC.
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-3	3/29/2012	0-1	0.5	X		6,490	8,300	14,790	66.8	224	156	207	654	3,350
	"	1-1.5	0.5	X		28	194	222	<0.200	<0.200	<0.200	0.937	0.937	2,770
	"	2-2.5	0.5	X		-	-	-	-	-	-	-	-	4,760
	"	3-3.5	0.5	X		-	-	-	-	-	-	-	-	2,560
	"	4-4.5	0.5	X		-	-	-	-	-	-	-	-	1,280
	"	5-5.5	0.5	X		-	-	-	-	-	-	-	-	1,300
	"	6-6.5	0.5	X		-	-	-	-	-	-	-	-	1,230
	"	7-7.5	0.5	X		-	-	-	-	-	-	-	-	1,190
	"	8-8.5	0.5	X		-	-	-	-	-	-	-	-	1,180
	"	9-9.5	0.5	X		-	-	-	-	-	-	-	-	1,900
BH-1	06/07/2012	0-1	3	X		-	-	-	-	-	-	-	-	660
	"	2-3	3	X		-	-	-	-	-	-	-	-	589
	"	4-5	3	X		-	-	-	-	-	-	-	-	670
	"	6-7	3	X		-	-	-	-	-	-	-	-	1,760
	"	9-10	3	X		-	-	-	-	-	-	-	-	1,790
	"	14-15	3	X		-	-	-	-	-	-	-	-	1,680
	"	19-20	3	X		-	-	-	-	-	-	-	-	2,100
	"	24-25	3	X		-	-	-	-	-	-	-	-	1,210
	"	29-30	3	X		-	-	-	-	-	-	-	-	1,420
	"	39-40	3	X		-	-	-	-	-	-	-	-	1,670
	"	49-50	3	X		-	-	-	-	-	-	-	-	1,520
	"	59-60	3	X		-	-	-	-	-	-	-	-	2,110
	"	69-70	3	X		-	-	-	-	-	-	-	-	411
	"	79-80	3	X		-	-	-	-	-	-	-	-	258

BEB Below Excavation Bottom
 (--) Not Analyzed
 Proposed Areas to Micorblaze



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	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 13235 POD1		RA	ED	1	1	1	21	17S	31E	604631	3632537	1606	102		
RA 13213 POD1		RA	CH	2	2	1	24	17S	30E	600489	3632575	3087	101		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 603409

Northing (Y): 3633580.3

Radius: 3220

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


4/6/23 11:20 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 13213 POD1	2	2	1	24	17S	30E	600489	3632575		
<hr/>											
Driller License:	1249	Driller Company:				ATKINS ENGINEERING ASSOC. INC.					
Driller Name:	JACKIE D. ATKINS										
<hr/>											
Drill Start Date:	07/18/2022	Drill Finish Date:				07/18/2022		Plug Date:		08/02/2022	
Log File Date:	08/08/2022	PCW Rev Date:						Source:			
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size:		Depth Well:				101 feet		Depth Water:			
<hr/>											

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

4/6/23 11:21 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTI AUG 8 2022 AM 10:16

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO. n/a		OSE FILE NO(S). RA-13213			
	WELL OWNER NAME(S) Burnett Oil Co., Inc				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 87 Square Lake Rd., Loco Hills, NM				CITY Loco Hills	STATE NM	ZIP 88255	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 49	SECONDS 35.80 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	55	35.05 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NE NW Sec, 24 T17S R20E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 7/18/2022		DRILLING ENDED 7/18/2022		DEPTH OF COMPLETED WELL (FT) n/a	BORE HOLE DEPTH (FT) 101	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 7/18/2022, 8/2/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

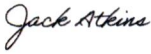
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. RA-13213	POD NO. 1	TRN NO. 729274
LOCATION 17S.30E.24.2.2.1	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, medium/fine-grained, poorly graded, Reddish Brown	Y ✓ N	
	9	59	50	Sand, fine-grained, poorly graded, Tan	Y ✓ N	
	59	70	11	Sand, fine-grained, poorly graded, Reddish Brown	Y ✓ N	
	70	80	10	Sand, Fine-grained, poorly graded, with gravel (0.25") Brown	Y ✓ N	
	80	101	21	Sandy Clay, Stiff, low plasticity, Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. OSE DT AUG 8 2022 #10115	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. RA-13213	POD NO. 1	TRN NO. 729274
LOCATION 175.30E.24.2.2.1	WELL TAG ID NO.	PAGE 2 OF 2



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

July 8, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record RA-13213 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings RA-13213 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

DSE DII PLG 8 2022 #10116



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 13235 POD1	1	1	1	21	17S	31E	604631	3632537

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

Driller Name: JACKIE D ATKINS

Drill Start Date: 10/08/2022 **Drill Finish Date:** 10/09/2022 **Plug Date:**

Log File Date: 11/04/2022 **PCW Rev Date:** **Source:**

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

Casing Size: **Depth Well:** 102 feet **Depth Water:**

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

4/6/23 11:21 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). RA-13235			
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 919 Milam St Ste 2475				CITY Houston	STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 49	SECONDS 33.16	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LATITUDE	103	52	55.80	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nw NW NW Sec. 21 T17S R31E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 10/8/2022		DRILLING ENDED 10/9/2022		DEPTH OF COMPLETED WELL (FT) 102		BORE HOLE DEPTH (FT) ±102	DEPTH WATER FIRST ENCOUNTERED (FT) n/a
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		DATE STATIC MEASURED 10/31/2022
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	102	±6.5	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

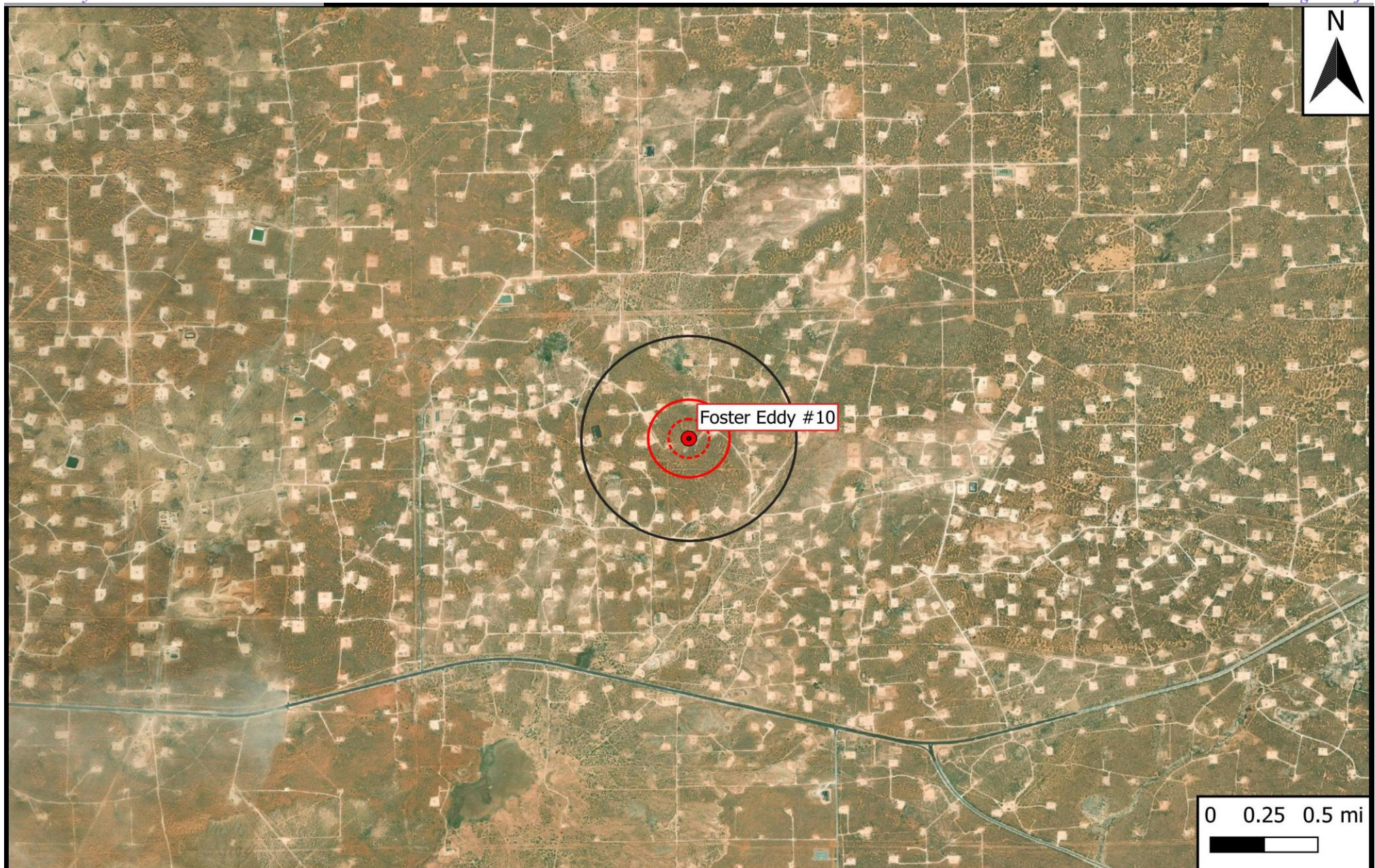
FILE NO. RA-13235	POD NO. 1	TRN NO. 733608
LOCATION 21.175. 31E 111	WELL TAG ID NO. NA	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	4	4	Sand, Fine-grained with caliche, Tanish white	Y	✓ N	
	4	14	10	Sand, Fine-grained, poorly graded, unconsolidated, Tann	Y	✓ N	
	17	70	53	Sand, Fine-grained, poorly graded, unconsolidated, Reddish Brown	Y	✓ N	
	70	102	32	Clay, consolidated, Reddish Brown	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:							
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION: Removed well material, back filled from total depth to 10 feet below ground surface. Then plugged using hydrated benonite hole plug from 10 below ground surface to surface. <div style="text-align: right; color: blue; font-style: italic;">OSE DTI NOV 4 2022 PM4:01</div>						
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 Jackie D. Atkins				11/1/2022		
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. BA-13235	POD NO. 1	TRN NO. 733608
LOCATION 21.175.31E 111	WELL TAG ID NO. NA	PAGE 2 OF 2

**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
Foster Eddy #10
GPS: 32.8354, -103.8951
Eddy County



Drafted: mag

Checked: jwl

Date: 4/6/23

Appendix B

Field Data and Soil Profile Logs

Appendix C

Laboratory Analytical Reports

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

April 27, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FOSTER EDDY # 10

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 13:31.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL 7 @ 5	H231739-01	Soil	12-Apr-23 00:00	12-Apr-23 13:31
FL 11 @ 10	H231739-02	Soil	12-Apr-23 00:00	12-Apr-23 13:31
FL 12 @ 8	H231739-03	Soil	12-Apr-23 00:00	12-Apr-23 13:31
FL 9 @ 8	H231739-04	Soil	12-Apr-23 00:00	12-Apr-23 13:31
WW 5	H231739-05	Soil	12-Apr-23 00:00	12-Apr-23 13:31
EW 5	H231739-06	Soil	12-Apr-23 00:00	12-Apr-23 13:31
NW 1	H231739-07	Soil	12-Apr-23 00:00	12-Apr-23 13:31

04/27/23 - Client changed the sample ID to -07 (see COC). This is the revised report and will replace the one sent on 04/18/23.

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

FL 7 @ 5
H231739-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041411	JH	15-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041411	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041411	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041411	JH	15-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041411	JH	15-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3041411	JH	15-Apr-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B

Surrogate: 1-Chlorooctane	108 %	48.2-134	3041356	MS	15-Apr-23	8015B
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Surrogate: 1-Chlorooctadecane	140 %	49.1-148	3041356	MS	15-Apr-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

FL 11 @ 10
H231739-02 (Soil)

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

Chloride	2280		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		104 %		71.5-134	3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>		103 %		48.2-134	3041356	MS	15-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		132 %		49.1-148	3041356	MS	15-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

FL 12 @ 8
H231739-03 (Soil)

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

Chloride	4560		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		104 %		71.5-134	3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>		109 %		48.2-134	3041356	MS	15-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		143 %		49.1-148	3041356	MS	15-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

FL 9 @ 8
H231739-04 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041356	MS	17-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041356	MS	17-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041356	MS	17-Apr-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3041356	MS	17-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.4 %	49.1-148		3041356	MS	17-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

WW 5
H231739-05 (Soil)

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

Chloride	496		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3041356	MS	15-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			136 %	49.1-148		3041356	MS	15-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

EW 5
H231739-06 (Soil)

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

Chloride	416		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %		71.5-134	3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
DRO >C10-C28*	10.7		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			113 %		48.2-134	3041356	MS	15-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			147 %		49.1-148	3041356	MS	15-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

NW 1
H231739-07 (Soil)

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

Chloride	416		16.0	mg/kg	4	3041710	AC	17-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041412	JH	15-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041412	JH	15-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3041412	JH	15-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041356	MS	15-Apr-23	8015B	

Surrogate: 1-Chlorooctane			96.2 %		48.2-134	3041356	MS	15-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %		49.1-148	3041356	MS	15-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3041710 - 1:4 DI Water										
Blank (3041710-BLK1)				Prepared & Analyzed: 17-Apr-23						
Chloride	ND	16.0	mg/kg							
LCS (3041710-BS1)				Prepared & Analyzed: 17-Apr-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3041710-BSD1)				Prepared & Analyzed: 17-Apr-23						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041411 - Volatiles**Blank (3041411-BLK1)**

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0554		mg/kg	0.0500		111	71.5-134			

LCS (3041411-BS1)

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	1.77	0.050	mg/kg	2.00		88.3	81.4-118			
Toluene	1.85	0.050	mg/kg	2.00		92.3	88.7-121			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	86.1-120			
m,p-Xylene	4.10	0.100	mg/kg	4.00		103	88.2-124			
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.9-118			
Total Xylenes	6.23	0.150	mg/kg	6.00		104	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	71.5-134			

LCS Dup (3041411-BSD1)

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	1.88	0.050	mg/kg	2.00		93.9	81.4-118	6.23	15.8	
Toluene	1.99	0.050	mg/kg	2.00		99.3	88.7-121	7.31	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	86.1-120	6.93	16	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	88.2-124	7.18	16.2	
o-Xylene	2.23	0.050	mg/kg	2.00		111	84.9-118	4.95	16.7	
Total Xylenes	6.64	0.150	mg/kg	6.00		111	87.3-122	6.43	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

Batch 3041412 - Volatiles**Blank (3041412-BLK1)**

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041412 - Volatiles**Blank (3041412-BLK1)**

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

LCS (3041412-BS1)

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	1.81	0.050	mg/kg	2.00		90.6	81.4-118			
Toluene	1.97	0.050	mg/kg	2.00		98.5	88.7-121			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	86.1-120			
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	88.2-124			
o-Xylene	2.03	0.050	mg/kg	2.00		102	84.9-118			
Total Xylenes	6.28	0.150	mg/kg	6.00		105	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.9	71.5-134			

LCS Dup (3041412-BS1)

Prepared: 14-Apr-23 Analyzed: 15-Apr-23

Benzene	1.89	0.050	mg/kg	2.00		94.6	81.4-118	4.36	15.8	
Toluene	2.05	0.050	mg/kg	2.00		103	88.7-121	4.00	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	86.1-120	4.82	16	
m,p-Xylene	4.46	0.100	mg/kg	4.00		111	88.2-124	4.82	16.2	
o-Xylene	2.17	0.050	mg/kg	2.00		108	84.9-118	6.43	16.7	
Total Xylenes	6.62	0.150	mg/kg	6.00		110	87.3-122	5.34	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:37

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041356 - General Prep - Organics**Blank (3041356-BLK1)**

Prepared: 13-Apr-23 Analyzed: 15-Apr-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.9		mg/kg	49.6		86.6	48.2-134			
Surrogate: 1-Chlorooctadecane	57.1		mg/kg	50.0		114	49.1-148			

LCS (3041356-BS1)

Prepared: 13-Apr-23 Analyzed: 15-Apr-23

GRO C6-C10	188	10.0	mg/kg	200		93.9	78.5-124			
DRO >C10-C28	214	10.0	mg/kg	200		107	72.5-126			
Total TPH C6-C28	402	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	48.5		mg/kg	49.6		97.9	48.2-134			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0		117	49.1-148			

LCS Dup (3041356-BS1)

Prepared: 13-Apr-23 Analyzed: 15-Apr-23

GRO C6-C10	185	10.0	mg/kg	200		92.6	78.5-124	1.40	17.7	
DRO >C10-C28	218	10.0	mg/kg	200		109	72.5-126	1.71	21	
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.6-123	0.267	18.5	
Surrogate: 1-Chlorooctane	48.2		mg/kg	49.6		97.3	48.2-134			
Surrogate: 1-Chlorooctadecane	59.5		mg/kg	50.0		119	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Eltech Environmental & Safety Solutions, Inc. Project Manager: Address: P.O. Box 301 City: Lovington State: NM Zip: 88260 Phone #: (575) 396-2378 Fax #: (575) 396-1429 Project #: Project Name: Foster Eddy #10 Project Location: Sample Name:		BILL TO P.O. #: Company: SPOR Energy Attn: Address: City: State: Zip: Phone #: Fax #:																																																																																																																																			
FOR LAB USE ONLY Lab I.D. H031739 Sample I.D.		ANALYSIS REQUEST Chloride TPH (8015M) BTEX (8021B)																																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="7">MATRIX</th> <th rowspan="2">PRESERV.</th> <th rowspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER :</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F1705</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F11010</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>F11208</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>F1908</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>GW5</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>GW5</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>MW1</td> <td>1</td> <td></td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	1	F1705	1													2	F11010	1													3	F11208	1													4	F1908	1													5	GW5	1													6	GW5	1													7	MW1	1													<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>REMARKS:</th> </tr> </thead> <tbody> <tr> <td>* Customer requested ID changes</td> </tr> </tbody> </table>		REMARKS:	* Customer requested ID changes
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 27, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FOSTER EDDY # 10

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 14:44.

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/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WW 3	H231595-01	Soil	05-Apr-23 00:00	05-Apr-23 14:44
FL 6	H231595-02	Soil	05-Apr-23 00:00	05-Apr-23 14:44
EW 3	H231595-03	Soil	05-Apr-23 00:00	05-Apr-23 14:44
FL 7 @ 4	H231595-04	Soil	05-Apr-23 00:00	05-Apr-23 14:44
EW 4	H231595-05	Soil	05-Apr-23 00:00	05-Apr-23 14:44
FL 8 @ 5	H231595-06	Soil	05-Apr-23 00:00	05-Apr-23 14:44
WW 4	H231595-07	Soil	05-Apr-23 00:00	05-Apr-23 14:44
FL 10 @ 15	H231595-08	Soil	05-Apr-23 00:00	05-Apr-23 14:44

04/27/23 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 04/11/23.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

WW 3
H231595-01 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040615	JH/	07-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040615	JH/	07-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040615	JH/	07-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040615	JH/	07-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040615	JH/	07-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3040615	JH/	07-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane			94.1 %	48.2-134		3040620	MS	10-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	49.1-148		3040620	MS	10-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

FL 6
H231595-02 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3040616	JH	10-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane			90.0 %	48.2-134		3040620	MS	10-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			90.9 %	49.1-148		3040620	MS	10-Apr-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

EW 3
H231595-03 (Soil)

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

Chloride	160		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3040616	JH	10-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	59.6		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
Surrogate: 1-Chlorooctane			94.2 %	48.2-134		3040620	MS	10-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			98.5 %	49.1-148		3040620	MS	10-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

FL 7 @ 4
H231595-04 (Soil)

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

Chloride	224		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	0.248		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	0.679		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	GC-NC1
Total Xylenes*	3.95		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	GC-NC1
Total BTEX	4.88		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 187 % 71.5-134 3040616 JH 10-Apr-23 8021B

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	484		100	mg/kg	10	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	5040		100	mg/kg	10	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	854		100	mg/kg	10	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 260 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 238 % 49.1-148 3040620 MS 10-Apr-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

EW 4
H231595-05 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3040616	JH	10-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane			93.9 %	48.2-134		3040620	MS	10-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.4 %	49.1-148		3040620	MS	10-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

FL 8 @ 5
H231595-06 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3040616	JH	10-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.6 %	48.2-134		3040620	MS	10-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.2 %	49.1-148		3040620	MS	10-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

WW 4**H231595-07 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3040616	JH	10-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane			98.3 %	48.2-134		3040620	MS	10-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		3040620	MS	10-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

FL 10 @ 15
H231595-08 (Soil)

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

Chloride	512		16.0	mg/kg	4	3041024	AC	10-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3040616	JH	10-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3040616	JH	10-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3040616	JH	10-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane	93.6 %	48.2-134	3040620	MS	10-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane	94.8 %	49.1-148	3040620	MS	10-Apr-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3041024 - 1:4 DI Water									
Blank (3041024-BLK1)				Prepared & Analyzed: 10-Apr-23					
Chloride	ND	16.0	mg/kg						
LCS (3041024-BS1)				Prepared & Analyzed: 10-Apr-23					
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (3041024-BSD1)				Prepared & Analyzed: 10-Apr-23					
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040615 - Volatiles**Blank (3040615-BLK1)**

Prepared & Analyzed: 06-Apr-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

LCS (3040615-BS1)

Prepared & Analyzed: 06-Apr-23

Benzene	2.14	0.050	mg/kg	2.00		107	81.4-118			
Toluene	2.17	0.050	mg/kg	2.00		108	88.7-121			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120			
m,p-Xylene	4.51	0.100	mg/kg	4.00		113	88.2-124			
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.9-118			
Total Xylenes	6.63	0.150	mg/kg	6.00		111	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.6	71.5-134			

LCS Dup (3040615-BS1)

Prepared & Analyzed: 06-Apr-23

Benzene	2.00	0.050	mg/kg	2.00		100	81.4-118	6.73	15.8	
Toluene	2.03	0.050	mg/kg	2.00		101	88.7-121	6.51	15.9	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	86.1-120	8.03	16	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	88.2-124	8.84	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	84.9-118	8.50	16.7	
Total Xylenes	6.08	0.150	mg/kg	6.00		101	87.3-122	8.73	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	71.5-134			

Batch 3040616 - Volatiles**Blank (3040616-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040616 - Volatiles**Blank (3040616-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

LCS (3040616-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	2.00	0.050	mg/kg	2.00		99.8	81.4-118			
Toluene	2.01	0.050	mg/kg	2.00		100	88.7-121			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	86.1-120			
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	88.2-124			
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	84.9-118			
Total Xylenes	6.15	0.150	mg/kg	6.00		102	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	71.5-134			

LCS Dup (3040616-BSD1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	2.00	0.050	mg/kg	2.00		100	81.4-118	0.418	15.8	
Toluene	2.03	0.050	mg/kg	2.00		101	88.7-121	1.08	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	86.1-120	0.805	16	
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	88.2-124	1.38	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		103	84.9-118	3.75	16.7	
Total Xylenes	6.28	0.150	mg/kg	6.00		105	87.3-122	2.15	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: FOSTER EDDY # 10
Project Number: NONE GIVEN
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
27-Apr-23 10:25

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3040620 - General Prep - Organics**Blank (3040620-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.7	48.2-134			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.1	49.1-148			

LCS (3040620-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	191	10.0	mg/kg	200		95.3	78.5-124			
DRO >C10-C28	192	10.0	mg/kg	200		95.8	72.5-126			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	77.6-123			
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.3	48.2-134			
Surrogate: 1-Chlorooctadecane	47.5		mg/kg	50.0		94.9	49.1-148			

LCS Dup (3040620-BSD1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	189	10.0	mg/kg	200		94.5	78.5-124	0.900	17.7	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	72.5-126	2.70	21	
Total TPH C6-C28	375	10.0	mg/kg	400		93.9	77.6-123	1.80	18.5	
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	48.2-134			
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.5	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ettech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST																																							
Project Manager:		P.O. #:																																									
Address: P.O. Box 301		Company: <i>S&P Energy</i>																																									
City: Lovington		Attn:																																									
Phone #: (575) 396-2378		Address:																																									
Fax #: (575) 396-1429		City:																																									
Project #:		State:																																									
Project Name: <i>Foster Eddy #10</i>		Zip:																																									
Project Location:		Phone #:																																									
Sampler Name:		Fax #:																																									
FOR LAB USE ONLY																																											
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															
* <i>HA31595</i>		* <i>45-23</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>2</i>		* <i>FL6</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>3</i>		* <i>FW3</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>4</i>		* <i>FW4</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>5</i>		* <i>FW5</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>6</i>		* <i>FW6</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>7</i>		* <i>FW7</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													
* <i>8</i>		* <i>FW8</i>		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1		C 1													

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Relinquished By: *Jose Cardona* Date: *4-5-23* Received By: *Maria Velazquez* Date: *4-5-23*

Relinquished By: *Jose Cardona* Date: *4-5-23* Received By: *Maria Velazquez* Date: *4-5-23*

Delivered By: (Circle One) *#13* Sample Condition ☒ Intact ☐ Cool ☐ Yes ☐ No ☐ Yes ☐ No

Sampler - UPS - Bus - Other: *1.42 / 10.82* CHECKED BY: *Y.B.* (Initials)

FORM-006
Revision 1.0

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

REMARKS: ** Customer requested changes.*

Please email results to pm@etechenv.com.

4/27/23



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

April 06, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FOSTER EDDY FL 10

Enclosed are the results of analyses for samples received by the laboratory on 04/03/23 15:37.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 @ 2 (H231521-01)

BTEx 8021B		mg/L		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9	
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2	
Total BTEX	<0.300	0.300	04/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 77.5-125

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	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 1 (H231521-02)

BTEx 8021B		mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9		
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2		
Total BTEX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H231521-03)

BTEx 8021B		mg/L		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9	
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2	
Total BTEX	<0.300	0.300	04/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 1 (H231521-04)

BTEx 8021B			mg/L							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9		
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2		
Total BTEX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65		
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22		
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 @ 2 (H231521-05)

BTX 8021B		mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9		
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2		
Total BTX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 3 @ 5 (H231521-06)

BTX 8021B		mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9		
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2		
Total BTX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 4 @ 5 (H231521-07)

BTX 8021B		mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9		
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2		
Total BTX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 2 (H231521-08)

BTEx 8021B		mg/L		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9	
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2	
Total BTEX	<0.300	0.300	04/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 2 (H231521-09)

BTEx 8021B		mg/L		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9	
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2	
Total BTEX	<0.300	0.300	04/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/04/2023	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	04/04/2023	ND	209	105	200	6.65	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	201	100	200	8.22	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 @ 1 (H231521-10)

BTEx 8021B		mg/L		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	12.9	
Toluene*	<0.050	0.050	04/04/2023	ND	2.21	110	2.00	12.8	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.18	109	2.00	13.5	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.80	113	6.00	14.2	
Total BTEX	<0.300	0.300	04/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/04/2023	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	04/04/2023	ND	196	98.2	200	1.77	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	205	103	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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

Received: 04/03/2023
 Reported: 04/06/2023
 Project Name: FOSTER EDDY FL 10
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 (H231521-11)

BTEx 8021B			mg/L							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/04/2023	ND	1.92	96.0	2.00	3.39		
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	100	2.00	4.06		
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.00	100	2.00	3.70		
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.10	102	6.00	3.60		
Total BTEX	<0.300	0.300	04/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 77.5-125

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/04/2023	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	04/04/2023	ND	196	98.2	200	1.77		
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	205	103	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST


[illegible]

Appendix D

Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: South	
Photo Description: View of initial release.	

Photo Number: 2	
Photo Direction: East	
Photo Description: View of excavated area.	

Photographic Log



Photo Number: 3	
Photo Direction: South	
Photo Description: View of excavated area.	

Photo Number: 4	
Photo Direction: North	
Photo Description: View of excavated area.	

Photographic Log

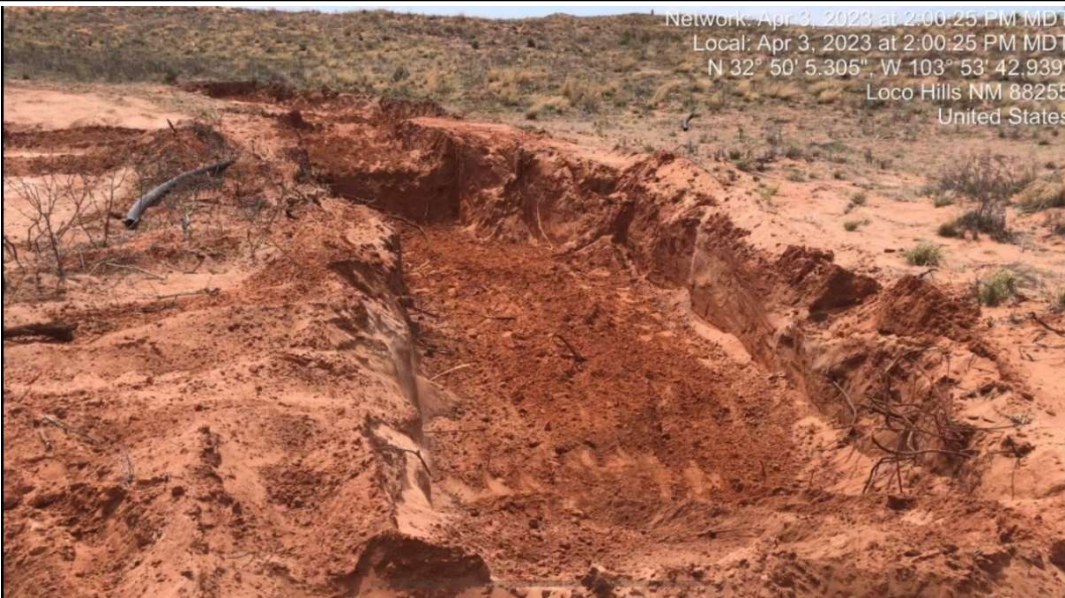
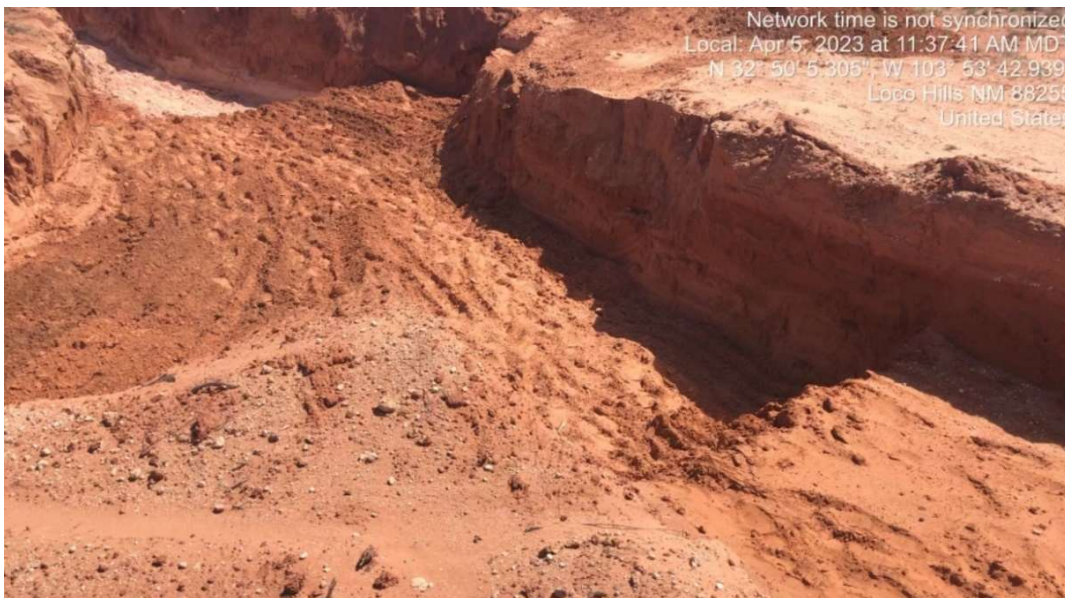
Photo Number: 5	 <p>Network: Apr 3, 2023 at 2:00:25 PM MDT Local: Apr 3, 2023 at 2:00:25 PM MDT N 32° 50' 5.305", W 103° 53' 42.939" Loco Hills NM 88255 United States</p>
Photo Direction: North	
Photo Description: View of excavated area.	

Photo Number: 6	 <p>Network time is not synchronized Local: Apr 5, 2023 at 11:37:41 AM MDT N 32° 50' 5.305", W 103° 53' 42.939" Loco Hills NM 88255 United States</p>
Photo Direction: South	
Photo Description: View of excavated area.	

Photographic Log



Photo Number: 7	<div>Network: Apr 25, 2023 at 11:45:58 AM MDT Local: Apr 25, 2023 at 11:45:58 AM MDT N 32° 50' 4.250", W 103° 53' 43.962" Loco Hills NM 88255 United States</div> 
Photo Direction: North	
Photo Description: View of remediated area after backfill and regrading.	

Photo Number: 8	<div>Network: Apr 25, 2023 at 11:44:31 AM MDT Local: Apr 25, 2023 at 11:44:31 AM MDT N 32° 50' 6.444", W 103° 53' 41.244" Loco Hills NM 88255 United States</div> 
Photo Direction: South	
Photo Description: View of remediated area after backfill and regrading.	

Photographic Log

Photo Number: 9	<div>Network: Apr 25, 2023 at 11:43:58 AM MDT Local: Apr 25, 2023 at 11:43:58 AM MDT N 32° 50' 6.659", W 103° 53' 41.625" Loco Hills NM 88255 United States</div> 
Photo Direction: South	
Photo Description: View of remediated area after backfill and regrading.	

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 227643

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 227643
	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 #NAPP2220925832 FOSTER EDDY #10, thank you. This closure is approved.	11/15/2023