State of New Mexico
Oil Conservation Division

Incident ID	NRM2026847974
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?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☑ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2026847974
District RP	
Facility ID	
Application ID	

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

Printed Name: Brittany N. Esparza Title: HSE Administrative Assistant

Signature: Brittany Esparza Date: 5/6/2021

email: besparza@concho.com Telephone: (432) 221-0398

OCD Only

Received by: Cristina Eads Date: 05/06/2021

State of New Mexico
Oil Conservation Division

Incident ID	NRM2026847974
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Brittany N. Esparza Title: HSE Administrative Assistant

Signature: Brittany Esparza Date: 5/6/2021

email: besparza@concho.com Telephone: (432) 221-0398

OCD Only

Received by: Cristina Eads Date: 05/06/2021

☑ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Cristina Eads Date: 07/23/2021

Site Assessment Report and Proposed Remediation Workplan

COG Operating, LLC
SRO State 8H
Eddy County, New Mexico
Unit Letter Pending, Section 2, Township 26 South, Range 38 East
Latitude 32.0654 North, Longitude 104.0508 West
NMOCD Reference No. NRM2026847974

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260

Matthew Grieco

Joel W. Lowry

Midland • San Antonio • Lubbock • Lovington • Lafayette

TABLE OF CONTENTS

Section

PROJECT INFORMATION…. **1.0**
SITE CHARACTERIZATION…. **2.0**
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE…. **3.0**
INITIAL SITE ASSESSMENT…. **4.0**
PROPOSED REMEDIATION PLAN…. **5.0**
SAMPLING PLAN…. **6.0**
TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED…. **7.0**
RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN…. **8.0**
LIMITATIONS…. **9.0**
DISTRIBUTION…. **10.0**

FIGURES

Figure 1 - Topographic Map
Figure 2 - Aerial Proximity Map
Figure 3 - Site and Sample Location Map

TABLES

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

APPENDICES

Appendix A - Depth to Groundwater Information
Appendix B - Laboratory Analytical Reports
Appendix C - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC, has prepared this *Site Assessment Report and Proposed Remediation Workplan* for the release site known as the SRO State 8H (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.0654 Longitude: -104.0508

Provided GPS are in WGS84 format.

Site Name:	SRO State 8H	Site Type:	Tank Battery
Date Release Discovered:	9/2/2020	API # (if applicable):	3001537548

Unit Letter	Section	Township	Range	County
Pending	2	26S	38E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

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

Cause of Release:
During a well workover, they were bleeding off gas from the well into a flow-back tank on the pad. The flow-back tank and workover rig caught on fire. Fire department was called out to extinguish the fire. No fluids were released or lost during the incident.

Initial Response

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

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

2.0 SITE CHARACTERIZATION

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

What is the shallowest depth to groundwater beneath the area affected by the release?	~60 Feet
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
~60 Feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	-	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

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

4.0 INITIAL SITE ASSESSMENT

On April 23, 2021, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of volatile organic compounds utilizing visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, ten (10) delineation soil samples (NH @ 0" - 6", NHB @ 0" - 6", EH 0" - 6", EHB 0" - 6", SH 0" - 6", SHB 0" - 6", WH 0" - 6", WHB 0" - 6", V 1 @ 1', and V 2 @ 3') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond three (3) feet below ground surface (bgs). Horizontal delineation samples were below the NMOCD Closure Criteria, with the exceptions of samples NHB, WHB, and SH, which exhibited TPH concentrations of 321 mg/kg, 4,630 mg/kg, and 192 mg/kg, respectively. Horizontal delineation was not achived.

On April 30, 2021, Etech continued the initial site assessment. Based on field observations and field test data, eight (8) delineation soil samples (NHC @ 0-6", NHC @ 1', EHB @ 1', SHB @ 1', WHC @ 0-6", WHC @ 1', V 1 @ Surf, and V 2 @ Surf) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria in any of the samples, and horizontal delineation was adequately defined.

A site and sample location map is provided as Figure 3. A soil chemistry table is provided as Table 1. Laboratory analytical reports are provided in Appendix B.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, COG Operating, LLC, proposes the following remediation activities designed to advance the Site toward an approved closure:

• Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the area characterized by sample point V2 to a depth of three (3) feet bgs. Excavate impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample points V1, NHB, WHB, and SH to a depth of one (1) foot bgs. The floor and sidewalls of the excavated areas will be advanced until laboratory analytical results indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

• Impacted soil will be temporarily stockpiled on-site atop an impermeable liner, then transported to an NMOCD-approved surface waste facility for disposal.

• Upon excavating impacted soil affected above the NMOCD Closure Criteria, collect the requisite confirmation soil samples.

• Upon receiving laboratory analytical results from confirmation soil samples, backfill the excavated area with locally sourced, non-impacted, "like" material.

• Upon completion of remediation activities, a *Remediation Summary and Soil Closure Request* will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear feet. A minimum of one (1) representative five-point composite confirmation soil sample will be collected from the base of the excavated area representing every 300 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

7.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within ninety (90) days of receiving necessary approval(s) of the *Site Assessment Report and Proposed Remediation Plan.* Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, it is estimated that approximately 1,100 cubic yards of impacted soil is in need of removal.

8.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area will be compacted and contoured to meet the needs of the facility, to the extent practicable. Affected areas were limited to production pads and/or lease roads, and will not require reseeding.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Assessment Report and Proposed Remediation Workplan to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference 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 COG Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or COG Operating, LLC.

10.0 DISTRIBUTION

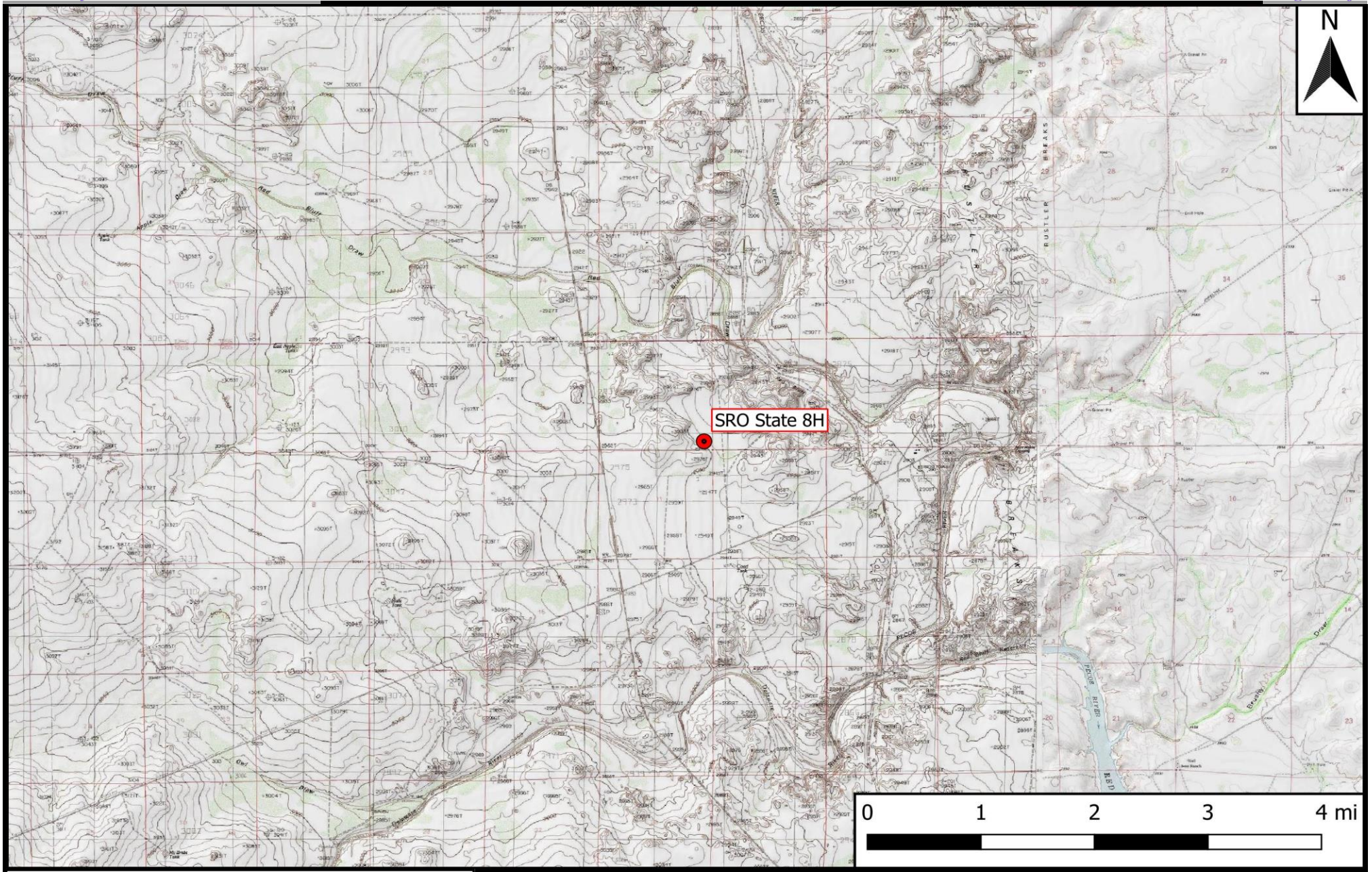
COG Operating, LLC
600 West Illinois Avenue
Midland, TX 79701

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

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 88240

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

ConocoPhillips Company

SRO State 8H

GPS: 32.0654, -104.0508

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/13/21

Figure 2
Aerial Proximity Map

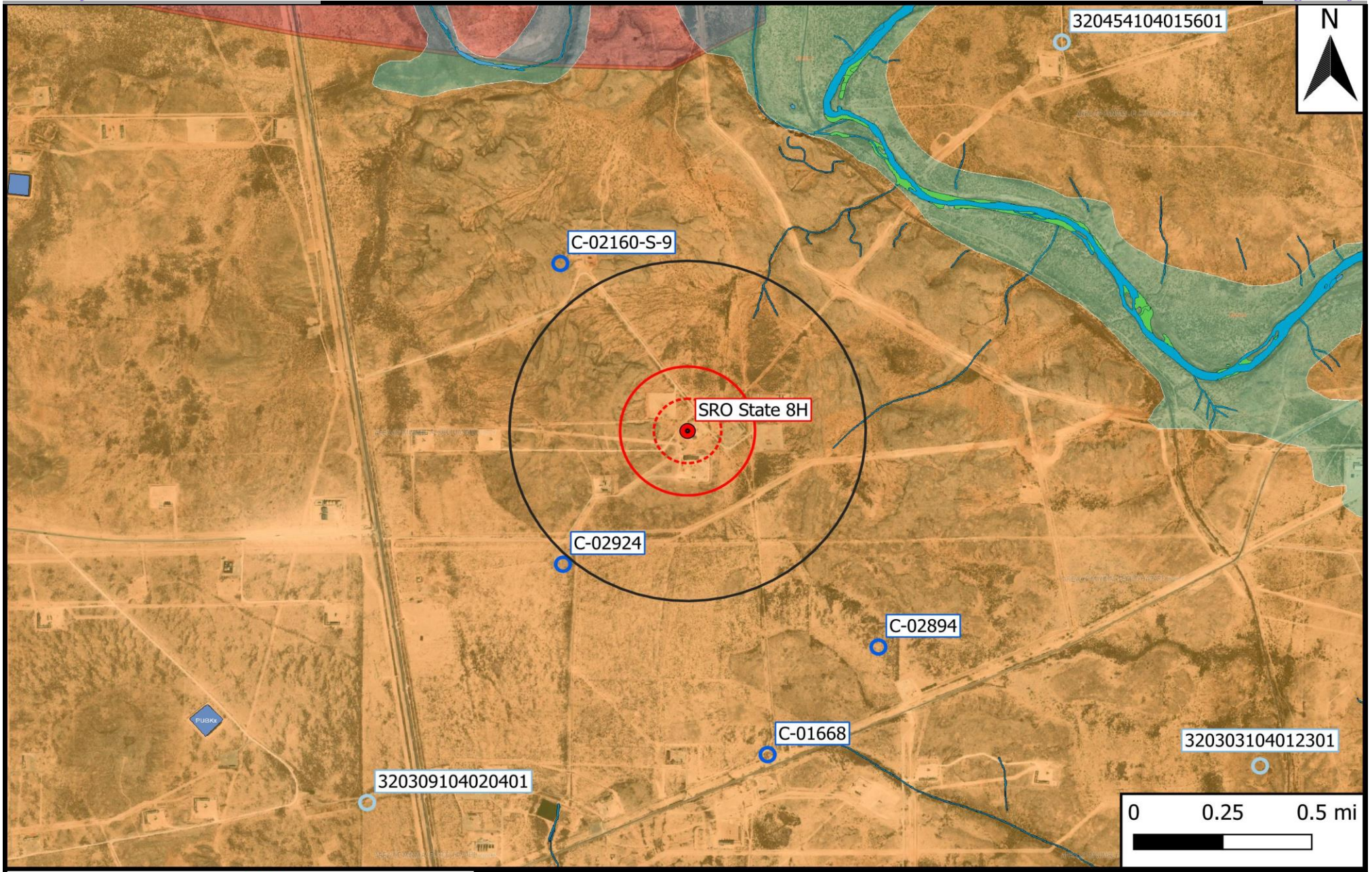
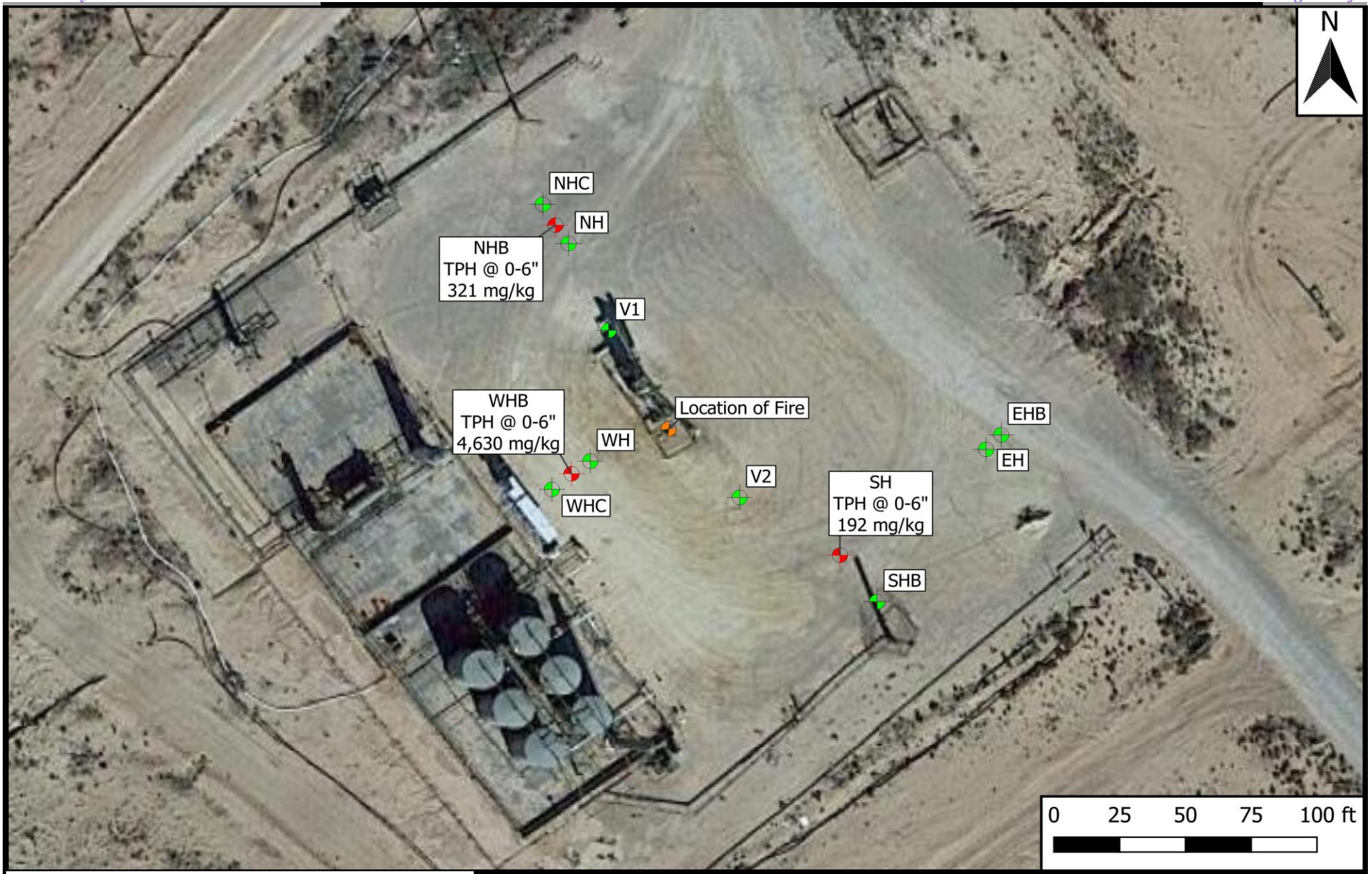


Figure 2
Aerial Proximity Map
ConocoPhillips Company
SRO State 8H
GPS: 32.0654, -104.0508
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/13/21

Figure 3
Site and Sample Location Map



Legend

- Sample Point
- Sample Point - Exceedance
- Location of Fire

Figure 3

Site and Sample Location Map

COG Operating, LLC

SRO State 8H

GPS: 32.0654, -104.0508

Eddy County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/4/21

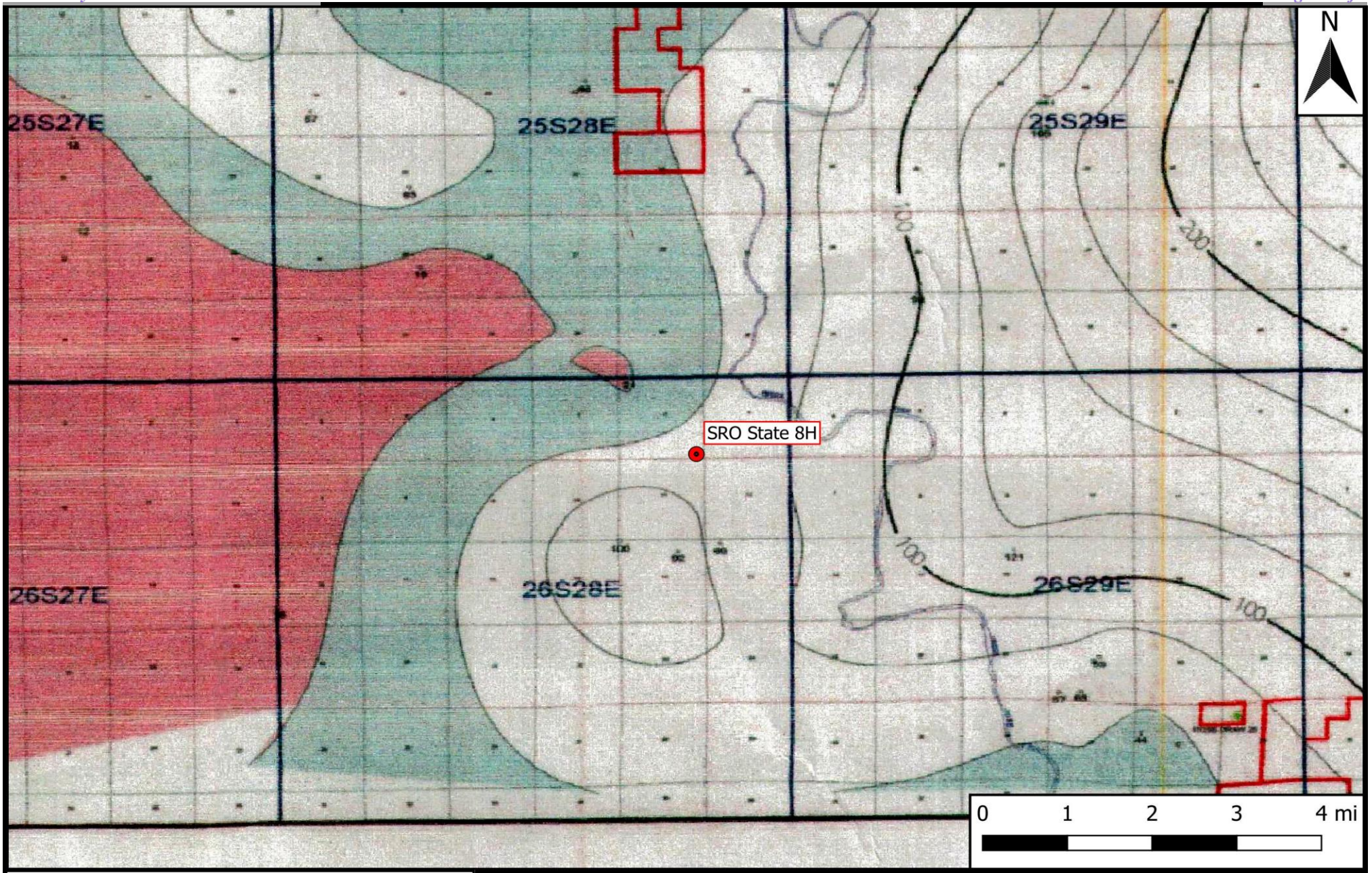
Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
COG Operating, LLC
SRO State 8H
NMOCD Ref. #: Pending

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**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)**
NH @ 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
NHB @ 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	252	252	69.0	**321**	80.0
NHC @ 0-6"	4/30/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NHC @ 1'	4/30/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	61.9	61.9	384
EHB 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	66.9	66.9	24.5	91.4	144
EHB @ 1'	4/30/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	160	160	32.0	**192**	416
SHB 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
SHB @ 1'	4/30/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	63.8	63.8	<10.0	63.8	384
WHB 0" - 6"	4/23/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	2,870	2,870	1,760	**4,630**	304
WHC @ 0-6"	4/30/2021	0-6"	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WHC @ 1'	4/30/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
V 1 @ 1'	4/23/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
V 1 @ Surf	4/30/2021	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
V 2 @ 3'	4/23/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
V 2 @ Surf	4/30/2021	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

ConocoPhillips Company

SRO State 8H

GPS: 32.0654, -104.0508

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/13/21

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02924		C	ED	1	3	2	11	26S	28E	589032	3547451*	843			
C 02160 S9		CUB	ED	3	3	2	02	26S	28E	589020	3548868*	976	300	120	180
C 02894		C	ED	2	2	3	12	26S	28E	590458	3547061*	1334	240		
C 02160 S8		CUB	ED	2	3	3	12	26S	28E	590056	3546653*	1498	200	120	80
C 01668		CUB	ED		3	3	12	26S	28E	589957	3546554*	1567	250	100	150

Average Depth to Water: **113 feet**

Minimum Depth: **100 feet**

Maximum Depth: **120 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 589595.12 **Northing (Y):** 3548078.85 **Radius:** 1610

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 02924	1	3	2	11	26S	28E	589032	3547451*

Driller License: 1227 **Driller Company:** B & H DRILLING

Driller Name:

Drill Start Date:	08/31/2002	**Drill Finish Date:**	10/04/2002	**Plug Date:**	
Log File Date:	11/04/2002	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**		**Depth Water:**	

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	D Number	Q64	Q16	Q4	Sec	Twls	Rng	X	Y
	C 02160 S9	3	3	2	02	26S	28E	589020	3548868*

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

Driller License:
Driller Company:
Driller Name: HEMLER

Drill Start Date:
Drill Finish Date: 06/01/1961
Plug Date:
Log File Date:
PCW Rcv Date:
Source: Shallow
Pump Type:
Pipe Discharge Size:
Estimated Yield:
Casing Size:
Depth Well: 300 feet
Depth Water: 120 feet

***UTM location was derived from PLSS - see Help**

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
	C 02894	2	2	3	12	26S	28E	590458	3547061*

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name:

Drill Start Date: 03/20/2002 **Drill Finish Date:** 03/24/2002 **Plug Date:**

Log File Date: 04/04/2002 **PCW Rcv Date:** **Source:**

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

Casing Size: **Depth Well:** 240 feet **Depth Water:**

Water Bearing Stratifications:	Top	Bottom	Description
	107	112	Other/Unknown

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	D Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 02160 S8	2	3	3	12	26S	28E	590056	3546653*

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

Driller License:
Driller Company:
Driller Name: HEMLER

Drill Start Date:
Drill Finish Date: 03/01/1961
Plug Date:
Log File Date:
PCW Rcv Date:
Source: Shallow
Pump Type:
Pipe Discharge Size:
Estimated Yield:
Casing Size:
Depth Well: 200 feet
Depth Water: 120 feet

***UTM location was derived from PLSS - see Help**

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	Twn	Rng	X	Y
	C 01668	3	3		12	26S	28E	589957	3546554*

Driller License: 224 **Driller Company:** MULLIN, R.J.

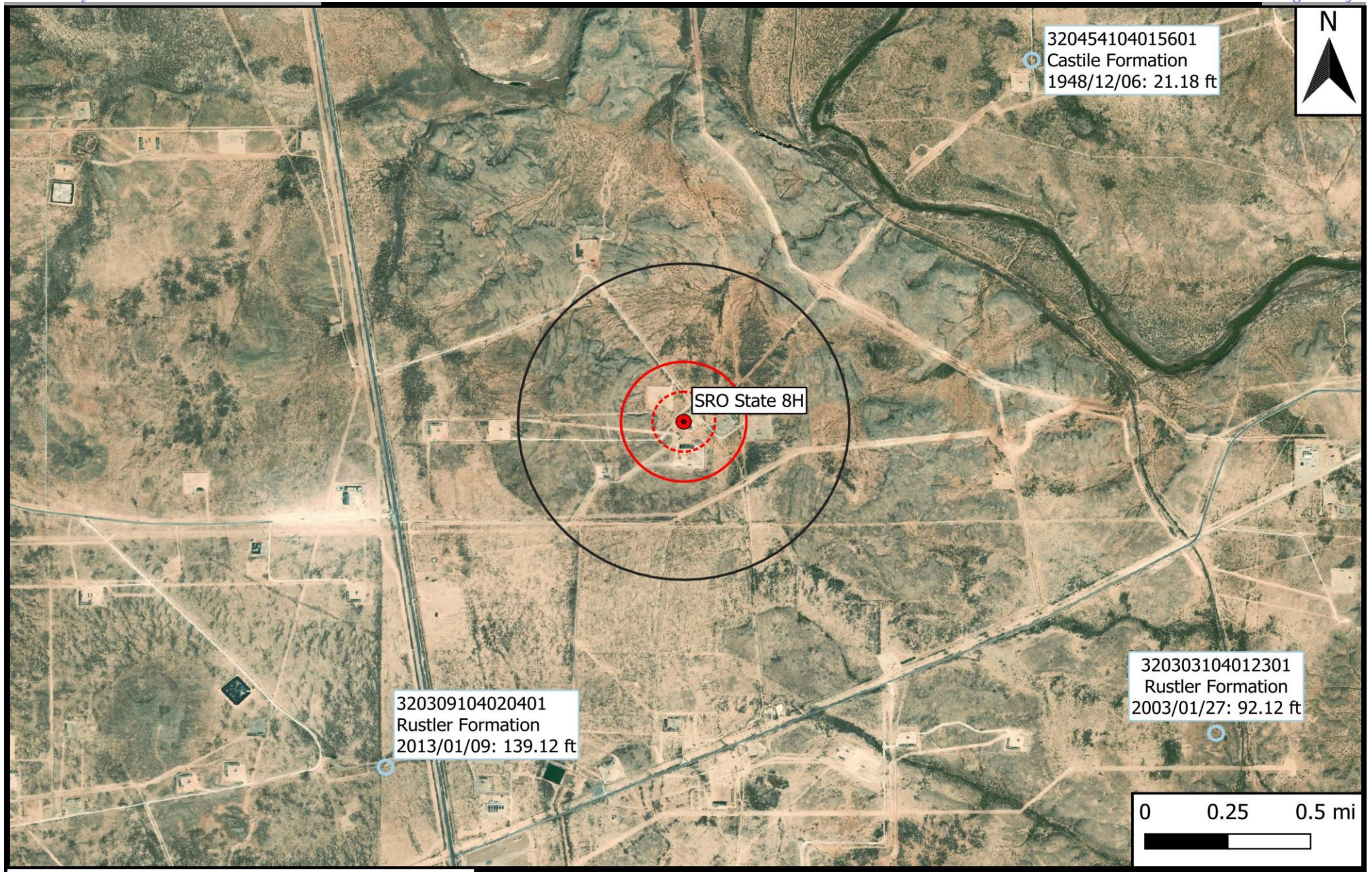
Driller Name:

Drill Start Date:	03/22/1976	**Drill Finish Date:**	04/02/1976	**Plug Date:**	
Log File Date:	04/08/1976	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	500 GPM
Casing Size:	16.00	**Depth Well:**	250 feet	**Depth Water:**	100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	115	135	Limestone/Dolomite/Chalk
	135	147	Limestone/Dolomite/Chalk
	185	196	Limestone/Dolomite/Chalk
	236	238	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	0	115
	115	135
	135	147
	147	196
	196	212
	212	234
	234	241
	241	250

***UTM location was derived from PLSS - see Help**



Legend

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

Figure 5

USGS Well Proximity Map

ConocoPhillips Company

SRO State 8H

GPS: 32.0654, -104.0508

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 4/13/21

National Water Information System: Web Interface

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320303104012301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

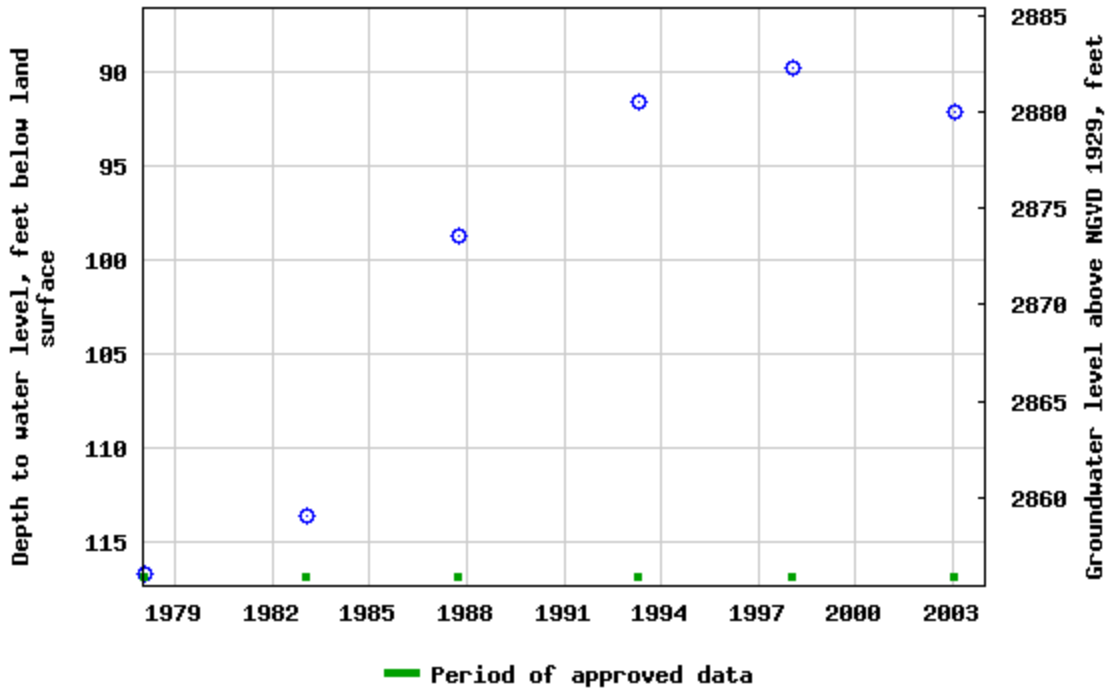
USGS 320303104012301 26S.28E.14.21412

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°03'03.0", Longitude 104°01'23.0" NAD27
Land-surface elevation 2,972.40 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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

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

National Water Information System: Web Interface

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320309104020401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

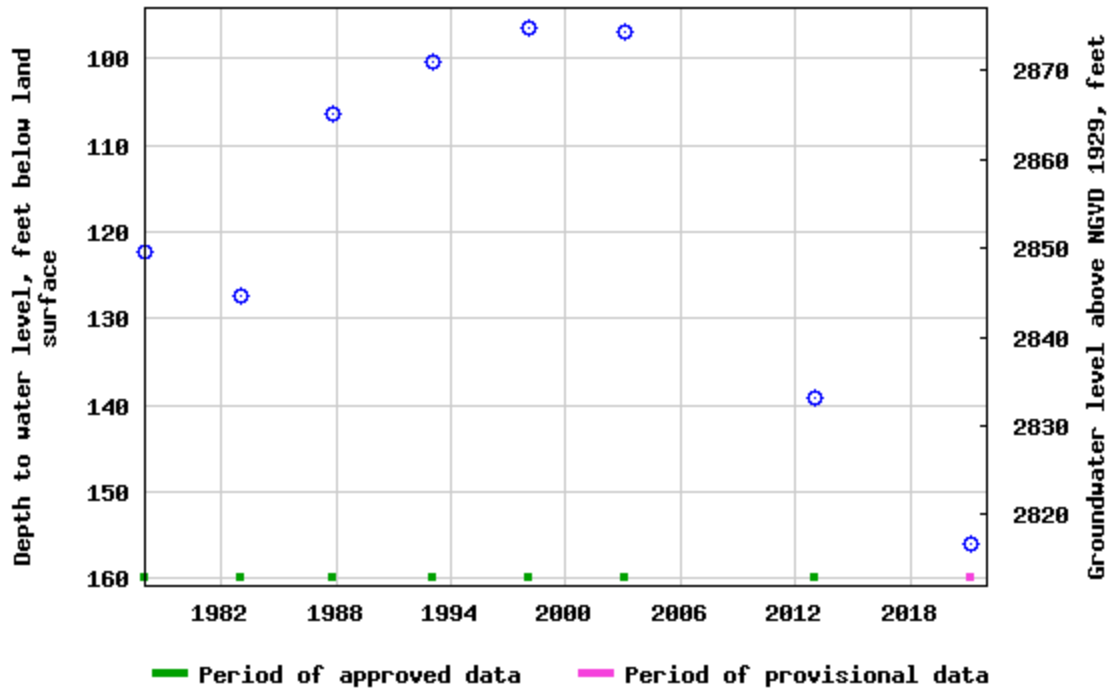
USGS 320309104020401 26S.28E.14.11111

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83
Land-surface elevation 2,972.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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

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

National Water Information System: Web Interface

Click to hideNews Bulletins

- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320454104015601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

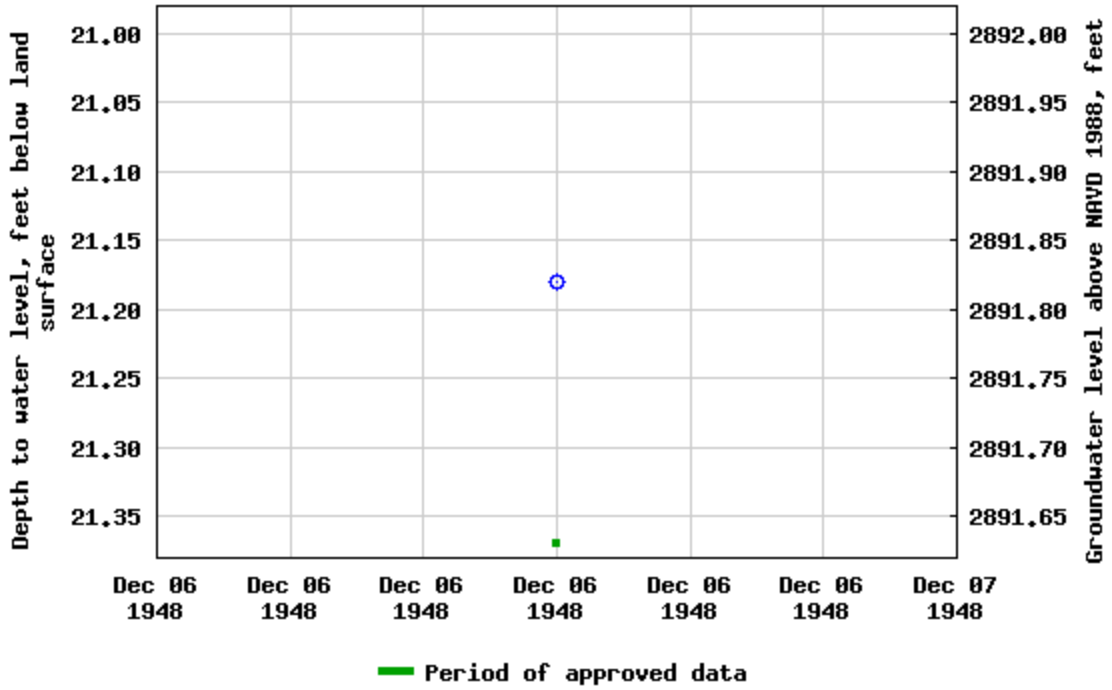
USGS 320454104015601 26S.28E.02.112111

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°04'54", Longitude 104°01'56" NAD27
Land-surface elevation 2,913 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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



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

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

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-04-13 10:33:56 EDT
0.71 0.64 nadww01

Appendix B
Laboratory Analytical Reports

CARDINAL Laboratories

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

April 28, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SRO STATE #8H

Enclosed are the results of analyses for samples received by the laboratory on 04/23/21 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: NH @ 0'' - 6'' (H211044-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *115 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *119 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: NHB @ 0'' - 6'' (H211044-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	**252**	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	**69.0**	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *120 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *127 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: WH 0'' - 6'' (H211044-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.3 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	**63.8**	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *107 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *108 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: WHB 0'' - 6'' (H211044-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	**2870**	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	**1760**	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *110 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *193 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: SH 0'' - 6'' (H211044-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	**160**	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	**32.0**	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *113 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *123 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: SHB 0'' - 6'' (H211044-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *122 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *126 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: EH 0" - 6" (H211044-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	**61.9**	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *98.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: EHB 0" - 6" (H211044-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.3 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	04/27/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	**66.9**	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	**24.5**	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *120 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *128 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: V 1 @ 1' (H211044-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	04/27/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *123 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *127 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	SRO STATE #8H	Sampling Condition:	Cool & Intact
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: V 2 @ 3' (H211044-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.05	103	2.00	4.35	
Toluene*	<0.050	0.050	04/23/2021	ND	1.97	98.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	1.95	97.5	2.00	2.52	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.69	94.8	6.00	2.81	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	04/27/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2021	ND	223	112	200	5.70	
DRO >C10-C28*	<10.0	10.0	04/26/2021	ND	225	112	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	04/26/2021	ND					

Surrogate: 1-Chlorooctane *111 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *113 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowery	P.O. #:	
Address:	P.O. Box 301	Company:	Etech
City:	Lovington	State: NM	Zip: 88260
Attn:			
Address:			
City:			
State:		Zip:	
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	
Project #:	14015	Project Owner:	Conoco Phillips
Project Name:	SRO State 8H	Phone #:	
Project Location:	Rural EDDY	Fax #:	
Sampler Name:	Spencer Blackwood		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)										
H211044																										
1	NH@0"-6"	C	1			✓					✓		4-23-21		✓	✓	✓									
2	NHB@0"-6"	C	1			✓					✓				✓	✓	✓									
3	WH0"-6"	C	1			✓					✓				✓	✓	✓									
4	WHB0"-6"	C	1			✓					✓				✓	✓	✓									
5	SH0"-6"	C	1			✓					✓				✓	✓	✓									
6	SHB0"-6"	C	1			✓					✓				✓	✓	✓									
7	EH 0"-6"	C	1			✓					✓				✓	✓	✓									
8	EHB0"-6"	C	1			✓					✓				✓	✓	✓									
9	V1@1'	C	1			✓					✓				✓	✓	✓									
10	V2@3'	C	1			✓					✓				✓	✓	✓									

Relinquished By:	Date: 4-23-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Spencer Blackwood	Time: 1210	Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 1.6° C #113

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

CHECKED BY: (Initials) T.D.

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

May 03, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SRO STATE COM #8H

Enclosed are the results of analyses for samples received by the laboratory on 04/30/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: V 1 @ SURFACE (H211113-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *59.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *57.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: V 2 @ SURFACE (H211113-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *63.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *62.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: NHC @ 0-6'' (H211113-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *61.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *59.6 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: NHC @ 1' (H211113-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *56.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *53.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: EHB @ 1' (H211113-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *69.9-140*

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	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *64.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *62.6 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: SHB @ 1' (H211113-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *48.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *45.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: WHC @ 0-6'' (H211113-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *69.9-140*

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	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *60.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *58.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/03/2021	Sampling Type:	Soil
Project Name:	SRO STATE COM #8H	Sampling Condition:	** (See Notes)
Project Number:	14015	Sample Received By:	Tamara Oldaker
Project Location:	CP - RURAL EDDY CO		

Sample ID: WHC @ 1' (H211113-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2021	ND	1.99	99.3	2.00	4.00	
Toluene*	<0.050	0.050	05/03/2021	ND	1.94	97.0	2.00	3.88	
Ethylbenzene*	<0.050	0.050	05/03/2021	ND	1.90	95.2	2.00	2.42	
Total Xylenes*	<0.150	0.150	05/03/2021	ND	5.68	94.7	6.00	1.77	
Total BTEX	<0.300	0.300	05/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/03/2021	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane *68.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *66.6 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.
Project Manager:	Joel Lowry
Address:	P.O. Box 301
City:	Lovington
State:	NM
Zip:	88260
Phone #:	(575) 396-2378
Fax #:	(575) 396-1429
Project #:	14015
Project Owner:	Conoco Phillips
Project Name:	SRO State 2H
Project Location:	Rural Eddy Co, NM
Sampler Name:	Miguel Ramirez

BILL TO

P.O. #:	
Company:	Conoco Phillips
Attn:	
Address:	
City:	
State:	
Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H21113																	
1	V1@surface	G	1			X					X		4.30.21		X	X	X
2	V2@surface	G	1			X					X		4.30.21		X	X	X
3	NHC@0-6"	G	1			X					X		4.30.21		X	X	X
4	NHC@1'	G	1			X					X		4.30.21		X	X	X
5	EHB@1'	G	1			X					X		4.30.21		X	X	X
6	SHB@1'	G	1			X					X		4.30.21		X	X	X
7	WHC@0-6"	G	1			X					X		4.30.21		X	X	X
8	WHC@1'	G	1			X					X		4.30.21		X	X	X

Relinquished By:	Date: 4.30.21	Received By:	
	Time: 1640		
Relinquished By:	Date:	Received By:	
	Time:		

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

Rush ASAP Please!

Please email results to pm@etechenv.com.

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 7.1c #113

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

FORM-006
Revision 1.0

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

Appendix C
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: South	
Photo Description: Impacted area.	

Photo Number: 2	
Photo Direction: East-Northeast	
Photo Description: Impacted area.	

Photographic Log

Photo Number: 3	
Photo Direction: North	
Photo Description: Impacted area.	

Photo Number: 4	
Photo Direction: East-Southeast	
Photo Description: Impacted area.	

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

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 27159
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/23/2021