

Incident ID	
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: _____ Title: _____
 Signature: *Amy Bruce* Date: 5-23-22 _____
 email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: *Bradford Billings* Date: 05/31/2022
 Printed Name: Bradford Billings Title: Env. Spec. A



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N c v k w f g'540484: ; 'P q t v j . 'N q p i k w f g'3250677: 2'Y g u v'
P O Q E F 'T g h t g p e g%'p R C E 282; 854; 35"

Prepared For:

Ej gxt qp'Eqt r qt c v k p"
6301 Deauville Blvd.
Midland, TX 79706

Prepared By:

G v g e j 'G p x l t q p o g p v e r l ('U c h g v f 'U q r w k a p u 'K p e 0'
P.O. Box 62228
Midland, Texas 79711

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""O c { '7 . '4244"

Blake Estep
Project Manager

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VCDNG'QH'EQPVGPVU'

INTRODUCTION 1

NMOCD SITE CLASSIFICATION..... 1

INITIAL SITE ASSESSMENT AND DELINEATION 2

SITE CLOSURE REQUEST 2

LIMITATIONS..... 2

DISTRIBUTION..... 3

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HH WTGU'

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

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VCDNGU'

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

CRRGPF KEGU'

- Appendix A – Depth to Groundwater Information
- Appendix B – Photographic Documentation
- Appendix C – Analytical Reports
- Appendix D – Release Notification and Corrective Action (Form C-141)

ENVIRONMENTAL & SAFETY SOLUTIONS, INC.

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron Corporation, has prepared this Closure Request for the Release Site known as Chesapeake Pronghorn State #001. The legal description of the Release Site is Unit Letter "G", Section 34, Township 23 South, Range 34 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.26289° North and 103.45580° West. A "Site Location Topographic Map" is provided as Figure 1.

On April 6, 2006, a historical release was discovered at the Pronghorn State #001 site (Release Site). Approximately two hundred ten (210) square feet was affected by an unknown liquid on the caliche production pad. A copy of the Release Notification and Corrective Action (NMCOD Form C-141) is provided as Appendix D.

Photographic documentation for the Release Site is provided as Appendix B.

GROUNDWATER INVESTIGATION

A search of the groundwater database maintained by United States Geological Survey (USGS) identified that there are no freshwater wells within a half (1/2) mile of the Release Site. The closest freshwater well (USGS Well # 321445103282301) is approximately 1.24 mile to the southwest. The USGS database indicated groundwater should be encountered at approximately four hundred forty (440) feet below ground surface (bgs). No surface water or water wells were observed within one thousand (1,000) feet of the Release Site. The Chesapeake Pronghorn State #001 is not considered to be in a karst area and is considered stable. An "Aerial Proximity Map" is provided as Figure 2. "

Based on the NMOCD site classification system, the following soil remediation levels were assigned to the Release Site as a result of this criteria:

- Benzene – 10 mg/kg
- BTEX – 50 mg/kg
- TPH – 100 mg/kg
- Chloride – 600 mg/kg

IKWKN'UKG'CUUGUO GPV'CPF 'F GNP GCVKQP "

On February 15, 2022, Etech conducted an assessment and sampling event at the Release Site to determine the condition of the soil where it was inferred the spill had occurred. Two (2) soil borings were installed, and samples were collected at the six (6) inch and forty-eight (48) inch bgs intervals unless refusal was met (refer to Figure 3). Refusal was met at a depth of thirty (30) inches bgs in Auger Hole 1 (AH-1) and eighteen (18) inches bgs in Auger Hole 2 (AH-2). Samples were submitted to Xenco Eurofins to be analyzed for total petroleum hydrocarbons (TPH), chloride, and benzene, toluene, ethylbenzene & xylenes (BTEX) concentrations. A "Site and Sample Location Map" is provided as Figure 3.

Laboratory results indicated TPH, chloride, and BTEX concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples (refer to Table 1).

Analytical reports are provided in Appendix C.

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Laboratory analytical results indicate TPH, chloride, and BTEX concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples. Based on laboratory analytical results and field observations made during the initial site assessment, the affected area appears to be restored to its original condition and vegetation growth has been occurring at a steady rate. Etech, on behalf of Chevron, respectfully requests that the NMOCD Office grant site closure to the Chesapeake Pronghorn State #001 (NMOCD Incident ID: nPAC0609632913).

NKO KWCVKQP U"

Etech has prepared this Closure Request Report 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 has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech also 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 Chevron Corporation. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Chevron Corporation.

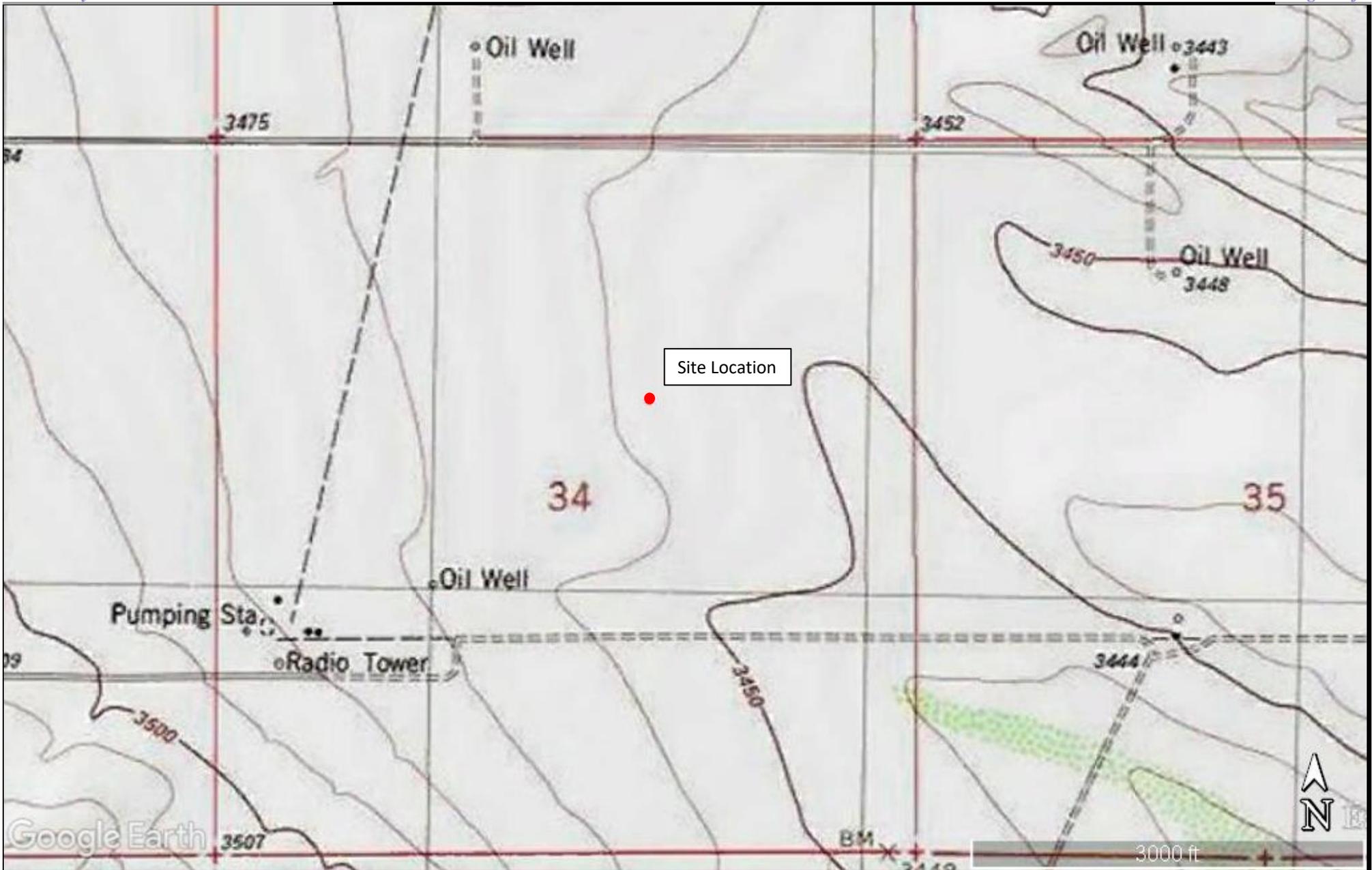
FUVTEDWIKP"

Copy 1: New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Copy 2: Amy Barnhill
Chevron Corporation
6301 Deauville Blvd.
Midland, Texas 79706

Copy 3: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711

FIGURES



Legend:	
●	Site Location

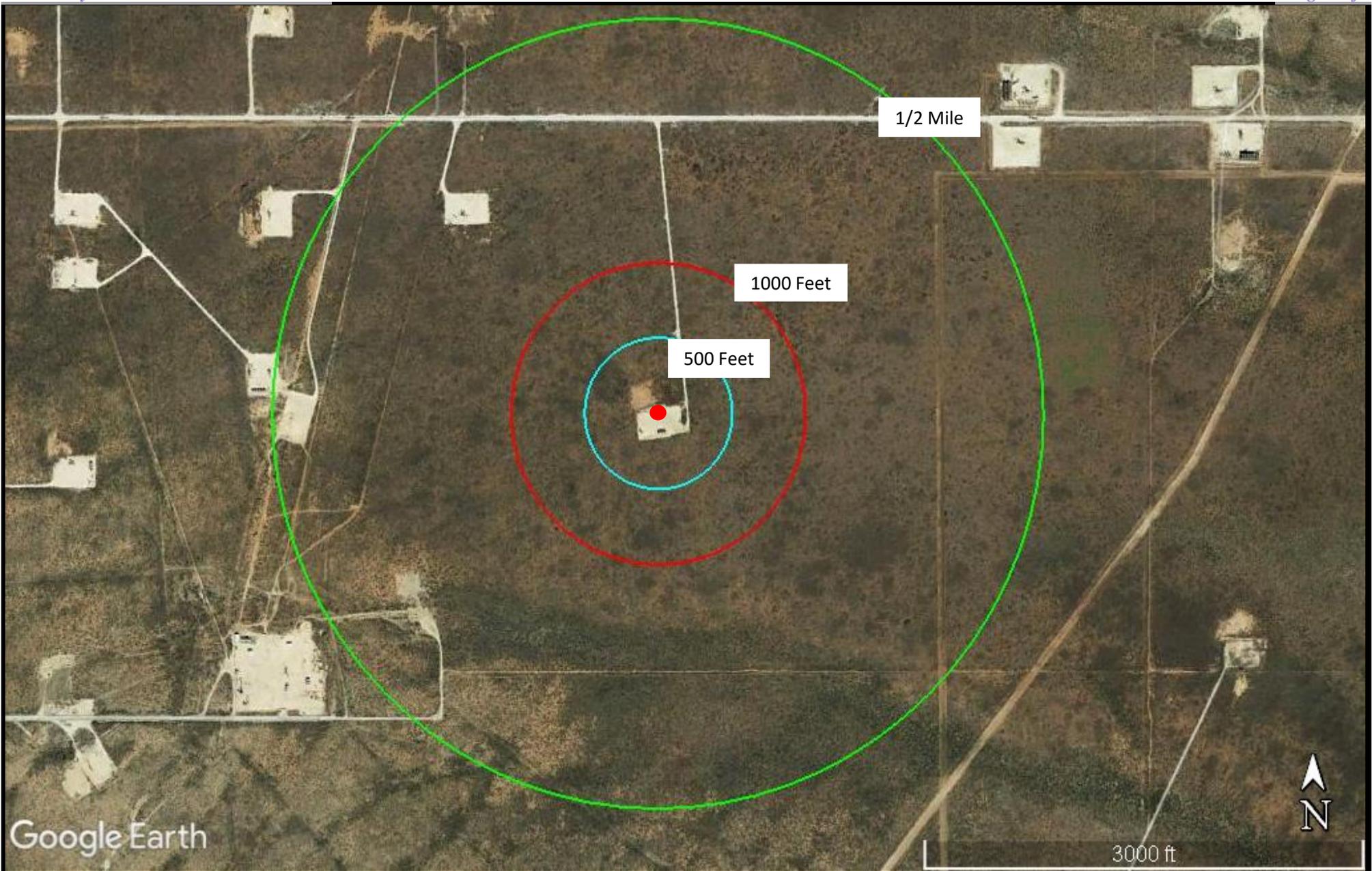
Figure 1
 Site Location Topographic Map
 Chevron Corporation
 Chesapeake Pronghorn State #
 GPS: 32.26289, -103.45580
 Lea County



eTECH
 Environmental & Safety Solutions, Inc.



Date: 3/9/22



Legend:

	Site Location		Non-Industrial Building
	Fresh Water Well		Subsurface Mine
	100-Year Floodplain		
	High/Critical Karst		

Figure 2
 Aerial Proximity Map
 Chevron Corporation
 Chesapeake Pronghorn State # 1
 GPS: 32.26289, -103.45580
 Lea County

eTECH 
 Environmental & Safety Solutions, Inc.

Date: 3/28/22



Auger Hole 1

Auger Hole 2

TABLES

APPENDICES

Appendix A – Depth to Groundwater Information



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

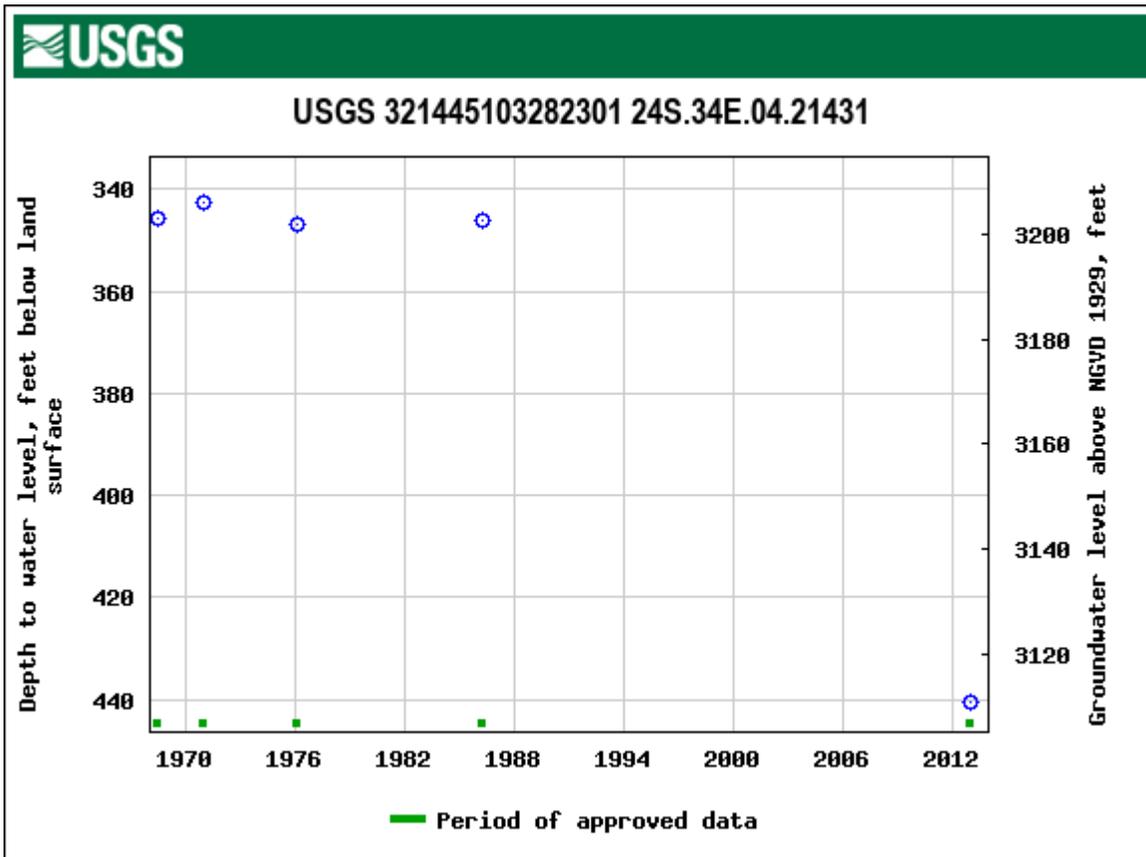
UTMNAD83 Radius Search (in meters):

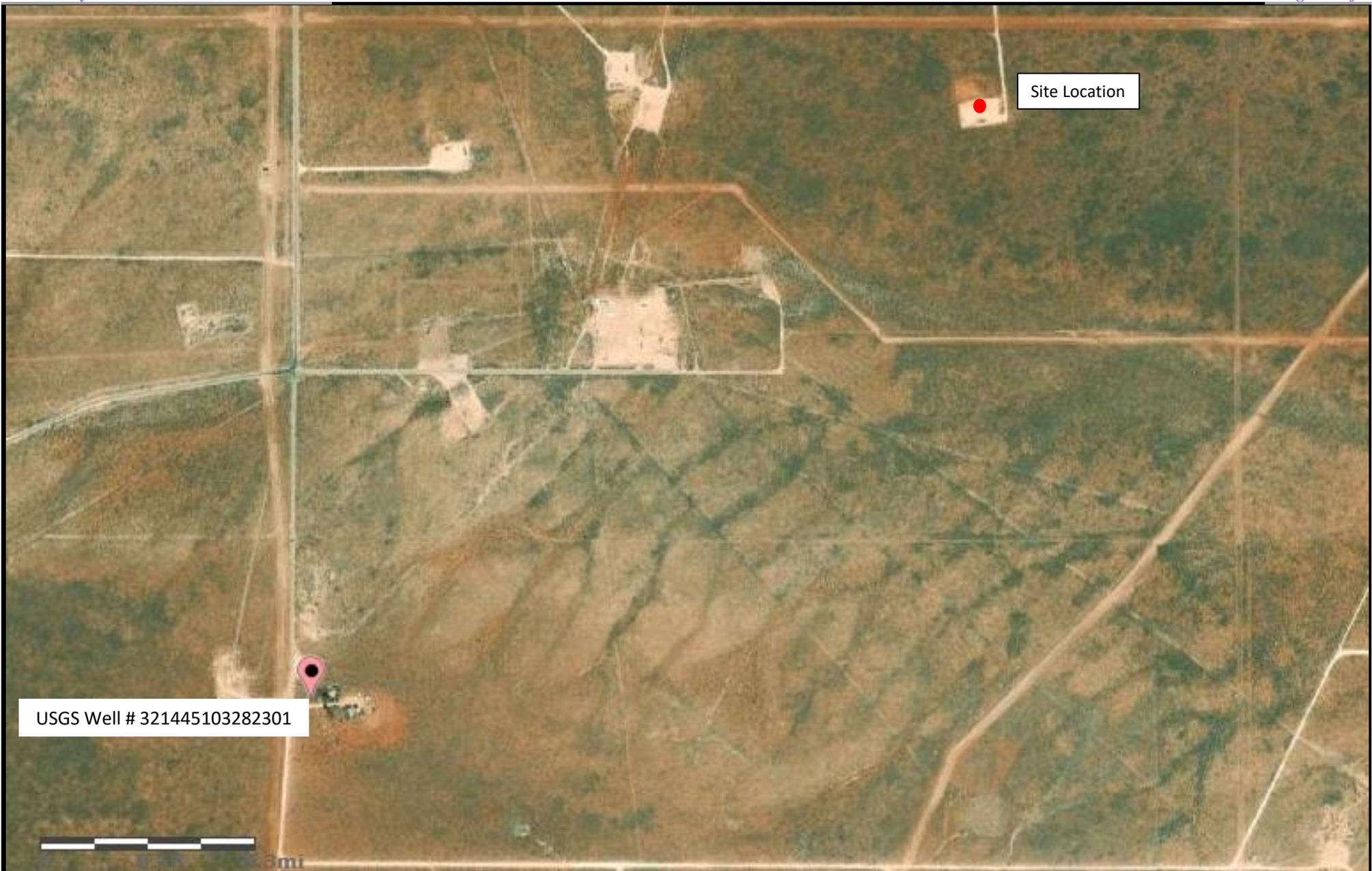
Easting (X): 645447.79

Northing (Y): 3570622.56

Radius: 804

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.





Legend:

	Site Location
	USGS Water Well

Figure 4
USGS Well Proximity Map
Chevron Corporation
Chesapeake Pronghorn State # 1
GPS: 32.26289, -103.45580
Lea County

eTECH 
Environmental & Safety Solutions, Inc.

Date: 3/28/22

Appendix B – Photographic Documentation

Project Name: Chesapeake Pronghorn State #€€1
Project No: 15310

Photographic Documentation

Photo No: 1.	 <p>4/11/22, 1:27 PM</p>
Direction Taken: East	
Description: View during assessment and delineation event.	

Photo No: 2.	 <p>4/11/22, 1:28 PM</p>
Direction Taken: North	
Description: View during assessment and delineation event.	

Appendix C – Analytical Reports



Environment Testing
America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11355-1
Client Project/Site: Pronghorn State #1

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: Brandon Wilson

Authorized for release by:
2/25/2022 4:26:31 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



LINKS

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results through
Total Access

Have a Question?



Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Laboratory Job ID: 880-11355-1

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Job ID: 880-11355-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-11355-1**

Receipt

The samples were received on 2/16/2022 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-11400-A-1-F MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-11355-1

Date Collected: 02/15/22 13:00

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 0-6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/24/22 09:39	02/25/22 04:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/24/22 09:39	02/25/22 04:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/24/22 09:39	02/25/22 04:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/24/22 09:39	02/25/22 04:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/24/22 09:39	02/25/22 04:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/24/22 09:39	02/25/22 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/24/22 09:39	02/25/22 04:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 09:39	02/25/22 04:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/25/22 13:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/22 19:16	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 17:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 17:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	02/17/22 11:56	02/19/22 17:27	1
o-Terphenyl	95		70 - 130	02/17/22 11:56	02/19/22 17:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.8		4.98		mg/Kg			02/21/22 01:13	1

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-11355-2

Date Collected: 02/15/22 13:02

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 24-30"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/24/22 09:39	02/25/22 05:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/24/22 09:39	02/25/22 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/24/22 09:39	02/25/22 05:03	1

Eurofins Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-11355-2

Date Collected: 02/15/22 13:02

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 24-30"

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	02/24/22 09:39	02/25/22 05:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/25/22 13:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/22 19:16	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/17/22 11:56	02/19/22 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 11:56	02/19/22 18:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 11:56	02/19/22 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	02/17/22 11:56	02/19/22 18:09	1
o-Terphenyl	102		70 - 130	02/17/22 11:56	02/19/22 18:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.24		5.04		mg/Kg			02/21/22 01:32	1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-3

Date Collected: 02/15/22 13:04

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 0-6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/24/22 09:39	02/25/22 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/25/22 05:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/24/22 09:39	02/25/22 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/24/22 09:39	02/25/22 05:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 09:39	02/25/22 05:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/25/22 13:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/22 19:16	1

Eurofins Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-3

Date Collected: 02/15/22 13:04

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 0-6"

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/17/22 11:56	02/19/22 18:29	1
o-Terphenyl	90		70 - 130				02/17/22 11:56	02/19/22 18:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.99		mg/Kg			02/21/22 01:38	1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-4

Date Collected: 02/15/22 13:06

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 12-18"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/22 09:39	02/25/22 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				02/24/22 09:39	02/25/22 05:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/24/22 09:39	02/25/22 05:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 13:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/22 19:16	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				02/17/22 11:56	02/19/22 18:51	1
o-Terphenyl	92		70 - 130				02/17/22 11:56	02/19/22 18:51	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-4

Date Collected: 02/15/22 13:06

Matrix: Solid

Date Received: 02/16/22 13:00

Sample Depth: 12-18"

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.82		4.99		mg/Kg			02/21/22 01:44	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-11351-A-1-C MS	Matrix Spike	101	99
880-11351-A-1-D MSD	Matrix Spike Duplicate	104	100
880-11355-1	Auger Hole 1	119	96
880-11355-2	Auger Hole 1	99	98
880-11355-3	Auger Hole 2	115	96
880-11355-4	Auger Hole 2	99	98
LCS 880-20192/1-A	Lab Control Sample	102	99
LCSD 880-20192/2-A	Lab Control Sample Dup	104	101
MB 880-19723/5-A	Method Blank	99	95
MB 880-20192/5-A	Method Blank	98	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-11355-1	Auger Hole 1	94	95
880-11355-2	Auger Hole 1	98	102
880-11355-3	Auger Hole 2	89	90
880-11355-4	Auger Hole 2	90	92
880-11400-A-1-E MS	Matrix Spike	76	76
880-11400-A-1-F MSD	Matrix Spike Duplicate	69 S1-	69 S1-

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19690/2-A	Lab Control Sample	100	108
LCSD 880-19690/3-A	Lab Control Sample Dup	105	112
MB 880-19690/1-A	Method Blank	88	92

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19723/5-A
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 19723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/22 07:45	02/24/22 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/24/22 07:45	02/24/22 11:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 07:45	02/24/22 11:10	1

Lab Sample ID: MB 880-20192/5-A
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/24/22 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/24/22 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/24/22 22:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/22 09:39	02/24/22 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 09:39	02/24/22 22:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/22 09:39	02/24/22 22:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/24/22 09:39	02/24/22 22:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/24/22 09:39	02/24/22 22:54	1

Lab Sample ID: LCS 880-20192/1-A
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1094		mg/Kg		109	70 - 130
Toluene	0.100	0.1080		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1082		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2226		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-20192/2-A
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1056		mg/Kg		106	70 - 130	4	35

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-20192/2-A
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1044		mg/Kg		104	70 - 130	3	35	
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.2138		mg/Kg		107	70 - 130	4	35	
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	3	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	104		70 - 130							
1,4-Difluorobenzene (Surr)	101		70 - 130							

Lab Sample ID: 880-11351-A-1-C MS
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.0996	0.1030		mg/Kg		103	70 - 130			
Toluene	<0.00199	U	0.0996	0.1018		mg/Kg		102	70 - 130			
Ethylbenzene	<0.00199	U	0.0996	0.1002		mg/Kg		101	70 - 130			
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2090		mg/Kg		105	70 - 130			
o-Xylene	<0.00199	U	0.0996	0.1073		mg/Kg		108	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	101		70 - 130									
1,4-Difluorobenzene (Surr)	99		70 - 130									

Lab Sample ID: 880-11351-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 20184

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 20192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.0998	0.1114		mg/Kg		112	70 - 130	8	35	
Toluene	<0.00199	U	0.0998	0.1105		mg/Kg		111	70 - 130	8	35	
Ethylbenzene	<0.00199	U	0.0998	0.1094		mg/Kg		110	70 - 130	9	35	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2279		mg/Kg		114	70 - 130	9	35	
o-Xylene	<0.00199	U	0.0998	0.1154		mg/Kg		116	70 - 130	7	35	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	104		70 - 130									
1,4-Difluorobenzene (Surr)	100		70 - 130									

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-19690/1-A
 Matrix: Solid
 Analysis Batch: 19863

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 19690

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 12:29	1

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-19690/1-A
Matrix: Solid
Analysis Batch: 19863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19690

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 12:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 12:29	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	88		70 - 130				02/17/22 11:56	02/19/22 12:29	1
o-Terphenyl	92		70 - 130				02/17/22 11:56	02/19/22 12:29	1

Lab Sample ID: LCS 880-19690/2-A
Matrix: Solid
Analysis Batch: 19863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	931.0		mg/Kg		93	70 - 130
Surrogate	LCS LCS		Limits				%Rec. Limits
	%Recovery	Qualifier					
1-Chlorooctane	100		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-19690/3-A
Matrix: Solid
Analysis Batch: 19863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19690

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	972.9		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	918.4		mg/Kg		92	70 - 130	1	20
Surrogate	LCSD LCSD		Limits			%Rec	%Rec. Limits	RPD	Limit
	%Recovery	Qualifier							
1-Chlorooctane	105		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: 880-11400-A-1-E MS
Matrix: Solid
Analysis Batch: 19863

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	110		1000	1036		mg/Kg		93	70 - 130
Surrogate	MS MS		Limits					%Rec	%Rec. Limits
	%Recovery	Qualifier							
1-Chlorooctane	76		70 - 130						
o-Terphenyl	76		70 - 130						

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QC Sample Results

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-11400-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 19863

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 19690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1159		mg/Kg		115	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	110		998	943.7		mg/Kg		84	70 - 130	9	20
Surrogate	%Recovery	MSD Qualifier									Limits
1-Chlorooctane	69	S1-									70 - 130
o-Terphenyl	69	S1-									70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19801/1-A
 Matrix: Solid
 Analysis Batch: 19884

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/22 00:53	1

Lab Sample ID: LCS 880-19801/2-A
 Matrix: Solid
 Analysis Batch: 19884

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-19801/3-A
 Matrix: Solid
 Analysis Batch: 19884

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	265.6		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 880-11355-1 MS
 Matrix: Solid
 Analysis Batch: 19884

Client Sample ID: Auger Hole 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.8		249	288.1		mg/Kg		107	90 - 110

Lab Sample ID: 880-11355-1 MSD
 Matrix: Solid
 Analysis Batch: 19884

Client Sample ID: Auger Hole 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.8		249	290.3		mg/Kg		108	90 - 110	1	20

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

GC VOA

Prep Batch: 19723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19723/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 20184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	8021B	20192
880-11355-2	Auger Hole 1	Total/NA	Solid	8021B	20192
880-11355-3	Auger Hole 2	Total/NA	Solid	8021B	20192
880-11355-4	Auger Hole 2	Total/NA	Solid	8021B	20192
MB 880-19723/5-A	Method Blank	Total/NA	Solid	8021B	19723
MB 880-20192/5-A	Method Blank	Total/NA	Solid	8021B	20192
LCS 880-20192/1-A	Lab Control Sample	Total/NA	Solid	8021B	20192
LCS 880-20192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20192
880-11351-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	20192
880-11351-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20192

Prep Batch: 20192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	5035	
880-11355-2	Auger Hole 1	Total/NA	Solid	5035	
880-11355-3	Auger Hole 2	Total/NA	Solid	5035	
880-11355-4	Auger Hole 2	Total/NA	Solid	5035	
MB 880-20192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-20192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11351-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-11351-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-11355-2	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-11355-3	Auger Hole 2	Total/NA	Solid	Total BTEX	
880-11355-4	Auger Hole 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-11355-2	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-11355-3	Auger Hole 2	Total/NA	Solid	8015NM Prep	
880-11355-4	Auger Hole 2	Total/NA	Solid	8015NM Prep	
MB 880-19690/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19690/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-19690/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11400-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11400-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	8015B NM	19690

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QC Association Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

GC Semi VOA (Continued)

Analysis Batch: 19863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-2	Auger Hole 1	Total/NA	Solid	8015B NM	19690
880-11355-3	Auger Hole 2	Total/NA	Solid	8015B NM	19690
880-11355-4	Auger Hole 2	Total/NA	Solid	8015B NM	19690
MB 880-19690/1-A	Method Blank	Total/NA	Solid	8015B NM	19690
LCS 880-19690/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19690
LCSD 880-19690/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19690
880-11400-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19690
880-11400-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19690

Analysis Batch: 19987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Total/NA	Solid	8015 NM	
880-11355-2	Auger Hole 1	Total/NA	Solid	8015 NM	
880-11355-3	Auger Hole 2	Total/NA	Solid	8015 NM	
880-11355-4	Auger Hole 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Soluble	Solid	DI Leach	
880-11355-2	Auger Hole 1	Soluble	Solid	DI Leach	
880-11355-3	Auger Hole 2	Soluble	Solid	DI Leach	
880-11355-4	Auger Hole 2	Soluble	Solid	DI Leach	
MB 880-19801/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19801/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19801/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11355-1 MS	Auger Hole 1	Soluble	Solid	DI Leach	
880-11355-1 MSD	Auger Hole 1	Soluble	Solid	DI Leach	

Analysis Batch: 19884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11355-1	Auger Hole 1	Soluble	Solid	300.0	19801
880-11355-2	Auger Hole 1	Soluble	Solid	300.0	19801
880-11355-3	Auger Hole 2	Soluble	Solid	300.0	19801
880-11355-4	Auger Hole 2	Soluble	Solid	300.0	19801
MB 880-19801/1-A	Method Blank	Soluble	Solid	300.0	19801
LCS 880-19801/2-A	Lab Control Sample	Soluble	Solid	300.0	19801
LCSD 880-19801/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19801
880-11355-1 MS	Auger Hole 1	Soluble	Solid	300.0	19801
880-11355-1 MSD	Auger Hole 1	Soluble	Solid	300.0	19801

Eurofins Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-11355-1

Date Collected: 02/15/22 13:00

Matrix: Solid

Date Received: 02/16/22 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	20192	02/24/22 09:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/25/22 04:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20326	02/25/22 13:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19987	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19801	02/18/22 10:13	CH	XEN MID
Soluble	Analysis	300.0		1			19884	02/21/22 01:13	CH	XEN MID

Client Sample ID: Auger Hole 1

Lab Sample ID: 880-11355-2

Date Collected: 02/15/22 13:02

Matrix: Solid

Date Received: 02/16/22 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20192	02/24/22 09:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/25/22 05:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20326	02/25/22 13:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19987	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 18:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19801	02/18/22 10:13	CH	XEN MID
Soluble	Analysis	300.0		1			19884	02/21/22 01:32	CH	XEN MID

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-3

Date Collected: 02/15/22 13:04

Matrix: Solid

Date Received: 02/16/22 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20192	02/24/22 09:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/25/22 05:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20326	02/25/22 13:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19987	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19801	02/18/22 10:13	CH	XEN MID
Soluble	Analysis	300.0		1			19884	02/21/22 01:38	CH	XEN MID

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-4

Date Collected: 02/15/22 13:06

Matrix: Solid

Date Received: 02/16/22 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20192	02/24/22 09:39	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/25/22 05:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20326	02/25/22 13:43	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Client Sample ID: Auger Hole 2

Lab Sample ID: 880-11355-4

Date Collected: 02/15/22 13:06

Matrix: Solid

Date Received: 02/16/22 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19987	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19801	02/18/22 10:13	CH	XEN MID
Soluble	Analysis	300.0		1			19884	02/21/22 01:44	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Etech Environmental & Safety Solutions
 Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Pronghorn State #1

Job ID: 880-11355-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11355-1	Auger Hole 1	Solid	02/15/22 13:00	02/16/22 13:00	0-6"
880-11355-2	Auger Hole 1	Solid	02/15/22 13:02	02/16/22 13:00	24-30"
880-11355-3	Auger Hole 2	Solid	02/15/22 13:04	02/16/22 13:00	0-6"
880-11355-4	Auger Hole 2	Solid	02/15/22 13:06	02/16/22 13:00	12-18"

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Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-11355-1

Login Number: 11355

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Appendix D – Release Notification and Corrective Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NPAC0609632913
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # (assigned by OCD)
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.154645 _____ Longitude -103.272087 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Pronghorn State #1	Site Type: Oil
Date Release Discovered: 4-3-2006	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	34	23S	34E	Lea

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

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) Historical release with unknown volumes	Volume/Weight Recovered (provide units)

Cause of Release: Historical unknown spill

State of New Mexico
Oil Conservation Division

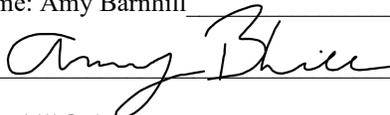
Page 2

Incident ID	NPAC0609632913
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: Amy Barnhill _____ Signature:  _____ email: ABarnhill@chevron.com _____	Title: Water Specialist _____ Date: 5-2-22 _____ Telephone: 432-687-7108 _____
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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	
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: _____ Title: _____

Signature: Amy Hill Date: 5-23-22 _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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 109286

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 109286
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	5/31/2022