TETRA TECH

February 15, 2022

Bradford Billings
Hydrologist/E.Spec.A
District 2 Artesia
1220 South St. Francis Drive
Oil Conservation Division
Santa Fe, NM 87505

Re: Release Characterization and Closure Request
ConocoPhillips
Heritage Concho
Moody 18 State Com #001H Release
Unit Letter D, Section 15, Township 25 South, Range 28 East
Eddy County, New Mexico
Incident ID# NJMW1308640545
2RP-1591

Mr. Billings,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a Heritage Concho release and subsequent remedial actions taken at the Moody 18 State Com #001H release site (API No. 30-015-39585). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 15, Township 25 South, Range 28 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.136102°, -104.134456°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on March 2, 2013. The C-141 reports that the cause of the release was caused by a storage tank overflowing at the Moody 18 State Com #001H lease pad. Approximately 20 barrels (bbls) of oil were released and approximately 10 bbls of oil were recovered. The NMOCD approved the initial C-141 on March 12, 2013 and subsequently assigned the release the Incident ID nJMW1308640545 and the remediation permit (RP) number 2RP-1591. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately ½ mile (800 meters) of the site. According to data from one (1) water well listed in the NMOSE database within approximately 0.75 miles (1,200 meters) of the site, the minimum depth to groundwater is 63 feet below ground surface (bgs). The site characterization data are presented in Appendix B.

Tetra Tech
901 West Wall St., Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, established depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL RESPONSE ACTIVITIES AND INITIAL ASSESSMENT

Following the release, Concho dispatched vacuum trucks to recover standing fluid. A release extent was not provided by Concho, but according to the initial C-141 the release remained within the boundary of the lease pad. The approximate release point is presented in Figure 3. The frac tanks at the facility associated with the release have since been decommissioned, as seen in Figure 4. Although no documentation of remedial actions was provided by Concho, such actions were presumably taken at the time of the tank decommissioning.

On March 26, 2019, following the removal of the frac tanks, Concho was onsite to install two (2) hand auger borings (AH-1 and AH-2) at the former release location to total depths of 2 feet bgs to assess the release. The sampling locations are presented in Figure 4. A total of four (4) soil samples were collected from two (2) borings and sent to Xenco Laboratories in Midland, Texas to be analyzed for chlorides via EPA method 300, TPH via EPA Method 8015M and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

Analytical results associated with samples collected during the March 2019 assessment activities are summarized in Table 1. All analytical results were below applicable Site RRALs and reclamation requirements for the Site.

SITE RECLAMATION AND RESTORATION PLAN

Tetra Tech conducted a visual inspection at the Site on September 21, 2021 to assess current site conditions. No evidence of surface staining or the release was observed during the visual inspection. Photographic documentation from the visual inspection is presented in Appendix D.

Based on the site characterization, the impacted surface area of the release on the production lease pad meets the remediation standards of Table I of 19.15.29.12 NMAC. As these areas are needed for production operations, final reclamation of any impact within the lease pad areas shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas operations. Therefore, reclamation of the soils located within the confines of the Moody 18 State #001H lease pad will be delayed until the abandonment of the facility and the full pad reclamation.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips considers the current release footprint to be fully delineated. All analytical results associated with the on-pad site assessment were below applicable

Site RRALs following the initial response actions; therefore, no further remediation of the release footprint is necessary.

Based on the above, ConocoPhillips respectfully requests closure for this release. Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

Samantha K. Abbott, P.G.
Senior Staff Geologist

Christian M. Llull, P.G.
Project Manager

cc:
Mr. Charles Beauvais, BU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Location Map
Figure 4 – Site Assessment Map

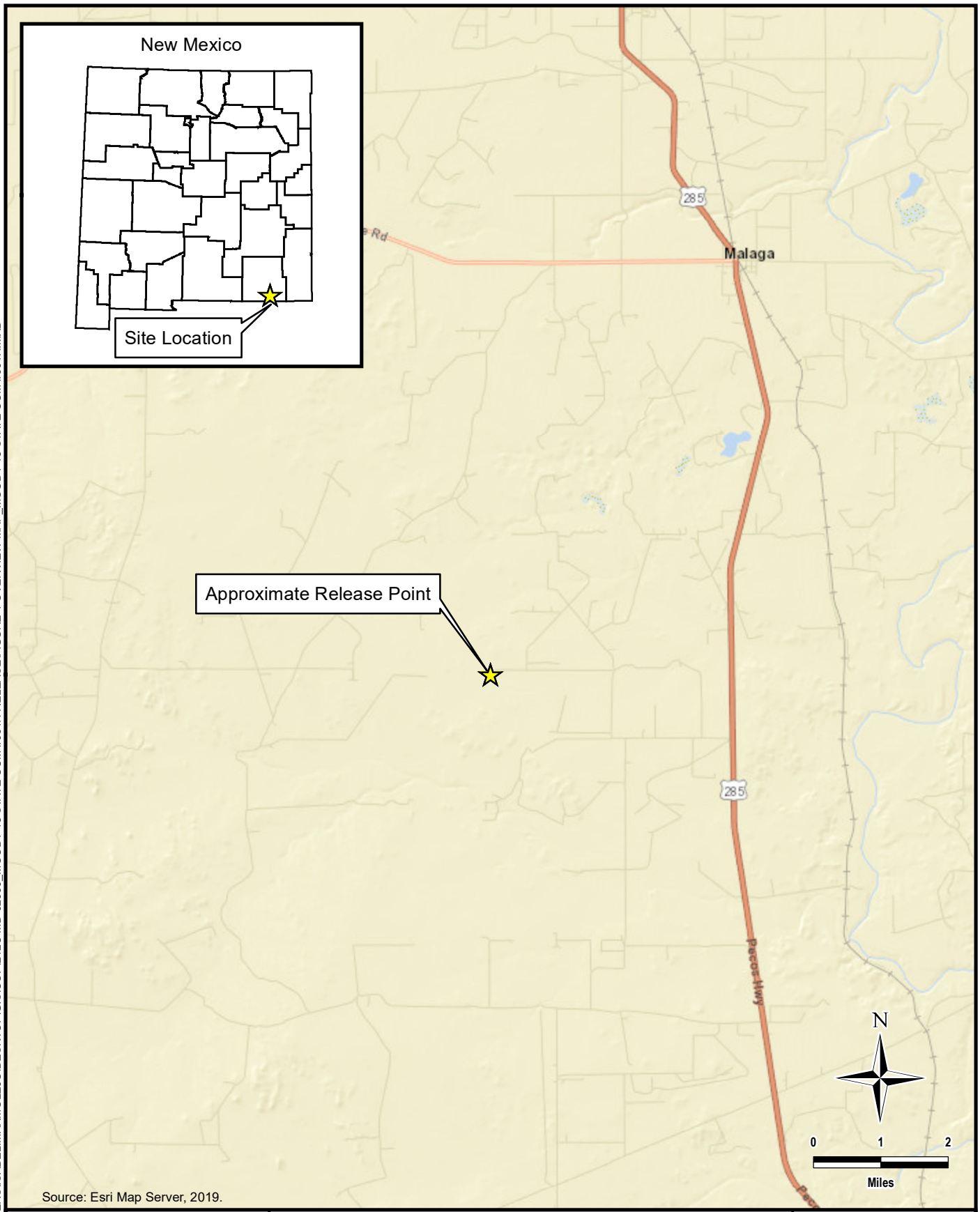
Tables:

Table 1 – Summary of Analytical Results

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Laboratory Analytical Data
Appendix D – Photographic Documentation

FIGURES



DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02660_MOODY 18 STATE COM #001H RELEASE\FIGURE 1 OVERVIEW MAP_MOODY 18 STATE COM #001H.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

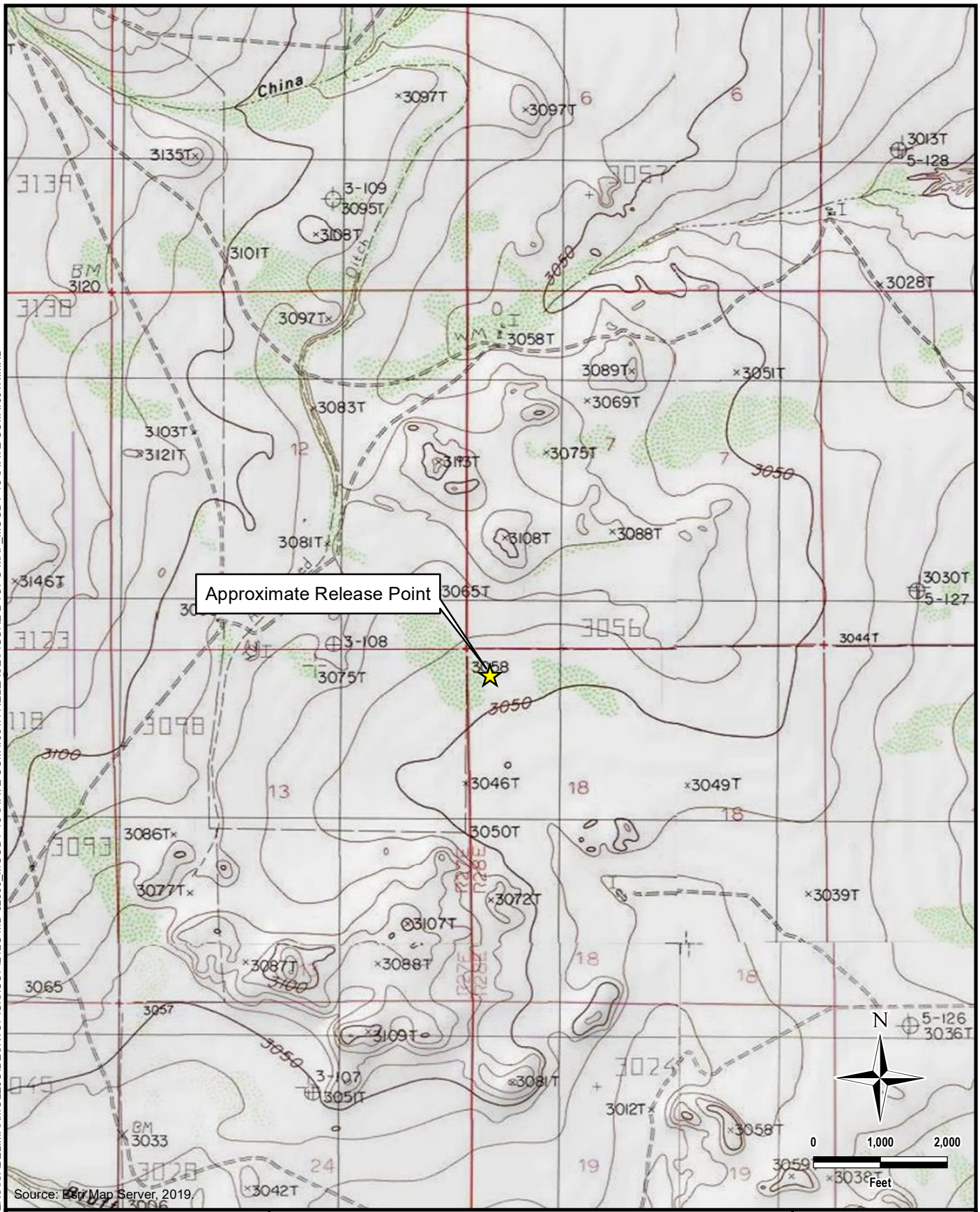
CONOCOPHILLIPS

NJMW1308640545
(32.136102°, -104.134456°)
EDDY COUNTY, NEW MEXICO

MOODY 18 STATE COM #001H RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02660
DATE:	FEBRUARY 02, 2022
DESIGNED BY:	IM

Figure No.
1



Source: Esri Map Server, 2019.

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02660_MOODY 18 STATE COM #001H RELEASE\FIGURE 2 TOPO MAP_MOODY 18 STATE COM #001H.MXD

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CONOCOPHILLIPS

NJMW1308640545
(32.136102°, -104.134456°)
EDDY COUNTY, NEW MEXICO

MOODY 18 STATE COM #001H RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02660
DATE:	FEBRUARY 02, 2022
DESIGNED BY:	IM

Figure No.
2

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\CONOCO PHILIPS\212C-MD-02660_MOODY 18 STATE COM #001H RELEASE\FIGURE 3 APPROXIMATE RELEASE LOCATION MAP_MOODY 18 STATE COM #001H.MXD

TETRA TECH
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901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NJMW1308640545
(32.136102°, -104.134456°)
EDDY COUNTY, NEW MEXICO

MOODY 18 STATE COM #001H RELEASE
APPROXIMATE RELEASE LOCATION MAP

PROJECT NO.:	212C-MD-02660
DATE:	FEBRUARY 08, 2022
DESIGNED BY:	IM

Figure No.
3

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\CONOCO PHILIPS\212C-MD-02660_MOODY 18 STATE COM #001H RELEASE\FIGURE 4 SITE LOCATION_MOODY 18 STATE COM #001H.MXD

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Midland, Texas 79701
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Fax: (432) 682-3946

CONOCOPHILLIPS

NJMW1308640545
(32.136102°, -104.134456°)
EDDY COUNTY, NEW MEXICO

MOODY 18 STATE COM #001H RELEASE
SITE ASSESSMENT MAP

PROJECT NO.:	212C-MD-02660
DATE:	FEBRUARY 08, 2022
DESIGNED BY:	IM

Figure No.
4

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2019 SOIL ASSESSMENT- NJMW1308640545
HERITAGE CONCHO
MOODY 18 STATE COM #001H
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[1]										TPH[2]					
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO > C_{10} - C_{28}		Total TPH (GRO+DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	3/26/2019	0 - 1	222		< 0.002		< 0.002		< 0.002		< 0.002		< 0.002		< 15.0		< 15.0		< 15.0	
AH-2	3/26/2019	0 - 1	202		< 0.002		< 0.002		< 0.002		< 0.002		< 0.002		23.9		< 15.0		23.9	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method 8021B

2 Method 8015M

APPENDIX A
C-141 Forms

RECEIVED
MAR 19 2013
NMOCD ARTESIA

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nJMW1308640545

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC 229137	Contact	Pat Ellis
Address	600 West Illinois Avenue, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	MOODY 18 STATE COM #001H	Facility Type	TANK BATTERY

Surface Owner	Mineral Owner	Lease No. (API#)
STATE		30-015-39585

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	15	25S	28E					EDDY

Latitude 32.13647 **Longitude** 104.13432

NATURE OF RELEASE

Type of Release Oil	Volume of Release 20bbls	Volume Recovered 10bbls
Source of Release Storage Tank	Date and Hour of Occurrence 03-02-2013	Date and Hour of Discovery 03-02-2013 4:00pm
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A storage tank over flowed on the Moody 18 State Com #001H. Measure the storage tanks prior to unloading any fluids into tank.

Describe Area Affected and Cleanup Action Taken.*

Initially an estimated 20bbls were released due to a storage tank that overflowed on location. We were able to recover 10bbls with a vacuum truck. All free fluids have been recovered. The entire spill was contained on the location. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:

Printed Name: Josh Russo

Title: Senior Environmental Coordinator

E-mail Address: jrusso@concho.com

Date: 03-12-2013 Phone: 432-212-2399

OIL CONSERVATION DIVISION

Approved by District Supervisor: Signed By

Approval Date: MAR 27 2013 Expiration Date:

Conditions of Approval: Attached ☐

Remediation per OCD Rule & Guidelines. **SUBMIT REMEDIATION PROPOSAL NO LATER THAN:** April 27, 2013

2RP-1591

* Attach Additional Sheets If Necessary

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1308640545
District RP	2RP-1591
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?	63 (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	NJMW1308640545
District RP	2RP-1591
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: Charles R. Beauvais II Title: Senior Environmental Engineer

Signature: Charles R. Beauvais II Date: 2/15/2022

email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1308640545
District RP	2RP-1591
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: Charles R. Beauvais II Title: Senior Environmental Engineer

Signature: Charles R. Beauvais II Date: 2/15/2022

email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

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: 03/02/2022

Printed Name: Bradford Billings Title: Envi.Spec.A

APPENDIX B
Site Characterization Data

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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03861 POD1		C	ED	4	2	3	18	25S	28E	582266	3554864	1169	91	63	28

Average Depth to Water: **63 feet**
Minimum Depth: **63 feet**
Maximum Depth: **63 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

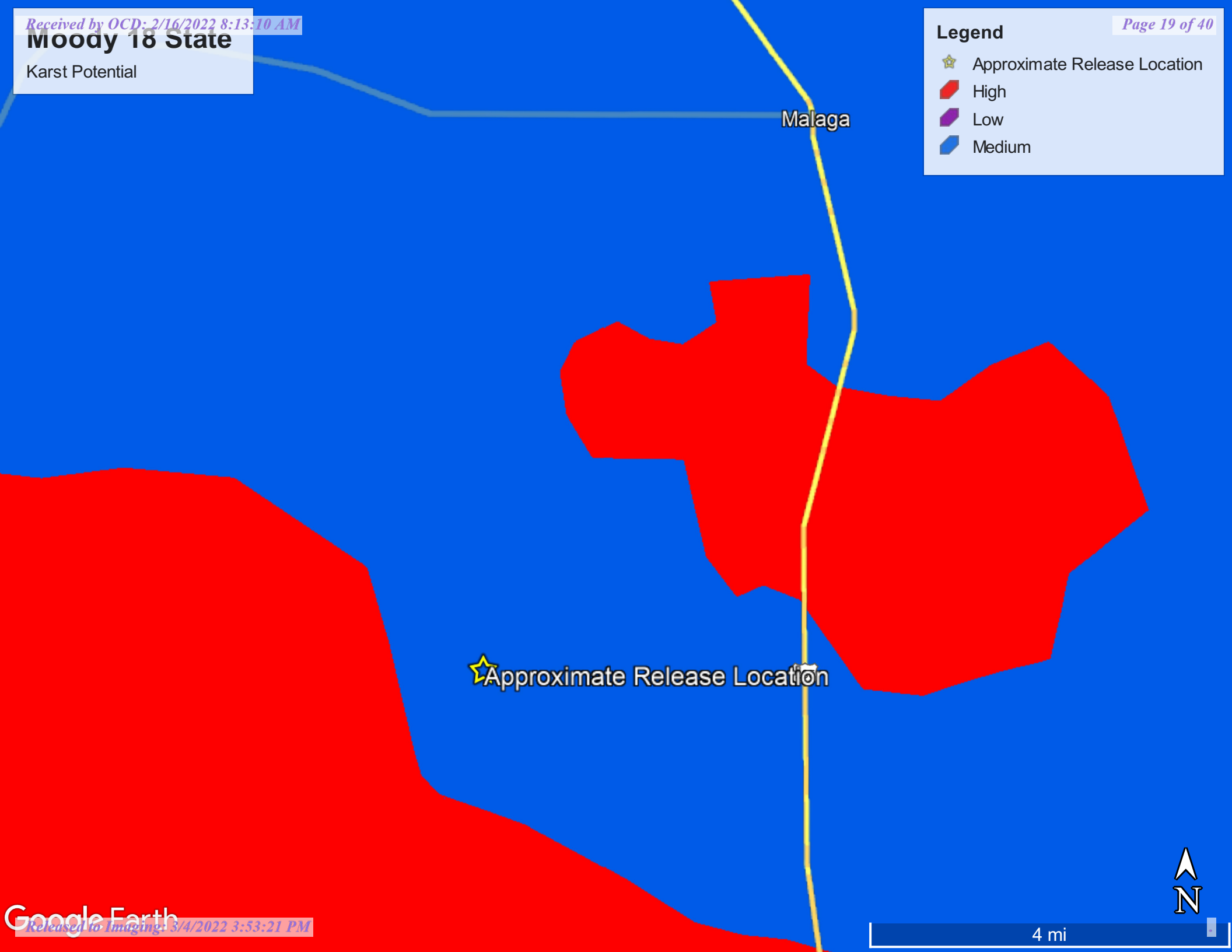
Easting (X): 581636 **Northing (Y):** 3555850 **Radius:** 1200

2/1/22 3:00 PM

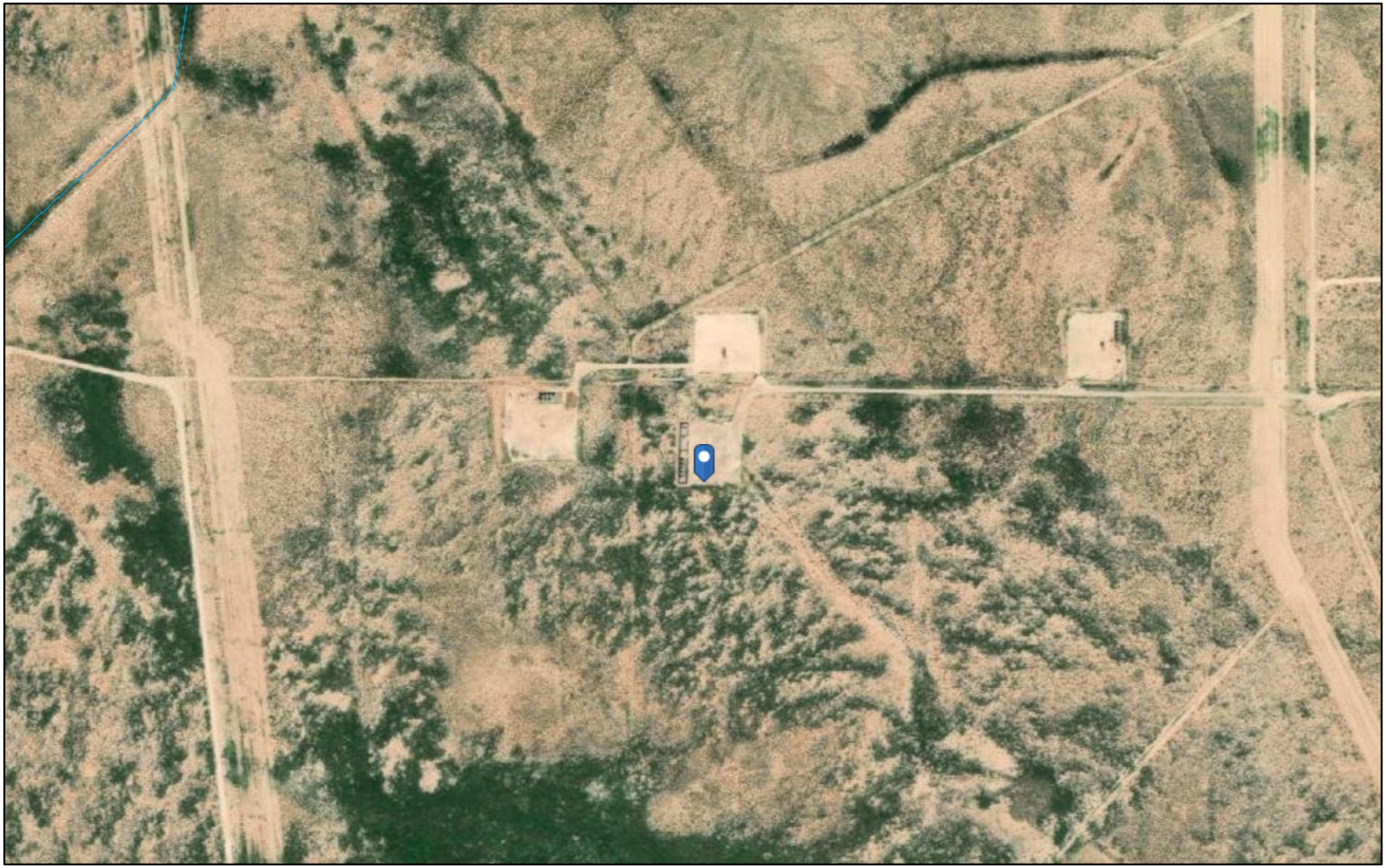
WATER COLUMN/ AVERAGE DEPTH TO WATER

Moody 18 State

Karst Potential



OCD Water Bodies



2/1/2022, 4:02:21 PM

OCD District Offices

PLJV Probable Playas

OSE Water-bodies

OSE Streams

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

OCD, Maxar

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

APPENDIX C
Laboratory Analytical Data

Certificate of Analysis Summary 619641

COG Operating LLC, Artesia, NM

Project Name: Moody 18 St Com #001H (3-2-13) 2RP-1591

Project Id:
Contact: Ike Tavarez
Project Location: Eddy County, NM

Date Received in Lab: Mon Apr-01-19 03:53 pm
Report Date: 04-APR-19
Project Manager: Kalei Stout

Analysis Requested									
	Lab Id:	619641-001		619641-002					
	Field Id:	AH-1 0-1' (Refusal)		AH-2 0-1' (Refusal)					
	Depth:	0-1 ft		0-1 ft					
	Matrix:	SOIL		SOIL					
	Sampled:	Mar-26-19 00:00		Mar-26-19 00:00					
BTEX by EPA 8021B	***Extracted:***	Apr-03-19 15:45		Apr-03-19 15:45					
	Analyzed:	Apr-03-19 17:51		Apr-03-19 18:10					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200				
m,p-Xylenes		<0.00399	0.00399	<0.00400	0.00400				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Apr-01-19 16:00		Apr-01-19 16:00					
	Analyzed:	Apr-02-19 09:33		Apr-02-19 00:08					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		222	5.00	202	50.0				
TPH By SW8015 Mod	***Extracted:***	Apr-02-19 16:00		Apr-02-19 16:00					
	Analyzed:	Apr-03-19 00:00		Apr-03-19 00:19					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons		<15.0	15.0	23.9	15.0				
Diesel Range Organics		<15.0	15.0	<15.0	15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0				
Total TPH		<15.0	15.0	23.9	15.0				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Kalei Stout
Midland Laboratory Director

Final 1.000

Analytical Report 619641

for

COG Operating LLC

Project Manager: Ike Tavarez

Moody 18 St Com #001H (3-2-13) 2RP-1591

04-APR-19

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)

04-APR-19

Project Manager: **Ike Tavarez**
COG Operating LLC
2407 Pecos Avenue
Artesia, NM 88210

Reference: XENCO Report No(s): **619641**
Moody 18 St Com #001H (3-2-13) 2RP-1591
Project Address: Eddy County, NM

Ike Tavarez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 619641. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 619641 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kalei Stout
Midland Laboratory Director

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 619641

COG Operating LLC, Artesia, NM

Moody 18 St Com #001H (3-2-13) 2RP-1591

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 0-1' (Refusal)	S	03-26-19 00:00	0 - 1 ft	619641-001
AH-2 0-1' (Refusal)	S	03-26-19 00:00	0 - 1 ft	619641-002

CASE NARRATIVE

Client Name: COG Operating LLC

Project Name: Moody 18 St Com #001H (3-2-13) 2RP-1591

Project ID:
Work Order Number(s): *619641*

Report Date: *04-APR-19*
Date Received: *04/01/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3084502 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 619641-001.

Certificate of Analytical Results 619641

COG Operating LLC, Artesia, NM

Moody 18 St Com #001H (3-2-13) 2RP-1591

Sample Id:	**AH-1 0-1' (Refusal)**	Matrix:	Soil	Date Received:	04.01.19 15.53
Lab Sample Id:	619641-001	Date Collected:	03.26.19 00.00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	04.01.19 16.00	Basis:	Wet Weight
Seq Number:	3084174				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**222**	5.00	mg/kg	04.02.19 09.33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	04.02.19 16.00	Basis:	Wet Weight
Seq Number:	3084425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<15.0	15.0	mg/kg	04.03.19 00.00	U	1
Diesel Range Organics	C10C28DRO	<15.0	15.0	mg/kg	04.03.19 00.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.03.19 00.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.03.19 00.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	04.03.19 00.00	
o-Terphenyl	84-15-1	87	%	70-135	04.03.19 00.00	

Certificate of Analytical Results 619641

COG Operating LLC, Artesia, NM

Moody 18 St Com #001H (3-2-13) 2RP-1591

Sample Id:	**AH-1 0-1' (Refusal)**	Matrix:	Soil	Date Received:	04.01.19 15.53
Lab Sample Id:	619641-001	Date Collected:	03.26.19 00.00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	04.03.19 15.45	Basis:	Wet Weight
Seq Number:	3084502				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.03.19 17.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.03.19 17.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	04.03.19 17.51	
4-Bromofluorobenzene	460-00-4	132	%	70-130	04.03.19 17.51	**

Certificate of Analytical Results 619641

COG Operating LLC, Artesia, NM

Moody 18 St Com #001H (3-2-13) 2RP-1591

Sample Id:	**AH-2 0-1' (Refusal)**	Matrix:	Soil	Date Received:	04.01.19 15.53
Lab Sample Id:	619641-002	Date Collected:	03.26.19 00.00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	04.01.19 16.00	Basis:	Wet Weight
Seq Number:	3084174				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**202**	50.0	mg/kg	04.02.19 00.08		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	04.02.19 16.00	Basis:	Wet Weight
Seq Number:	3084425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	**23.9**	15.0	mg/kg	04.03.19 00.19		1
Diesel Range Organics	C10C28DRO	<15.0	15.0	mg/kg	04.03.19 00.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.03.19 00.19	U	1
Total TPH	PHC635	**23.9**	15.0	mg/kg	04.03.19 00.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	04.03.19 00.19	
o-Terphenyl	84-15-1	77	%	70-135	04.03.19 00.19	

Certificate of Analytical Results 619641

COG Operating LLC, Artesia, NM

Moody 18 St Com #001H (3-2-13) 2RP-1591

Sample Id:	**AH-2 0-1' (Refusal)**	Matrix:	Soil	Date Received:	04.01.19 15.53
Lab Sample Id:	619641-002	Date Collected:	03.26.19 00.00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	04.03.19 15.45	Basis:	Wet Weight
Seq Number:	3084502				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.03.19 18.10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.03.19 18.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	04.03.19 18.10	
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.03.19 18.10	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 619641

COG Operating LLC

Moody 18 St Com #001H (3-2-13) 2RP-1591

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3084174 Matrix: Solid Date Prep: 04.01.19
MB Sample Id: 7674829-1-BLK LCS Sample Id: 7674829-1-BKS LCSD Sample Id: 7674829-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	258	103	259	104	90-110	0	20	mg/kg	04.01.19 20:03	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3084174 Matrix: Soil Date Prep: 04.01.19
Parent Sample Id: 619466-008 MS Sample Id: 619466-008 S MSD Sample Id: 619466-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	492	250	722	92	724	93	90-110	0	20	mg/kg	04.01.19 20:33	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3084174 Matrix: Soil Date Prep: 04.01.19
Parent Sample Id: 619487-001 MS Sample Id: 619487-001 S MSD Sample Id: 619487-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	519	250	748	92	749	92	90-110	0	20	mg/kg	04.01.19 22:50	

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3084425 Matrix: Solid Date Prep: 04.02.19
MB Sample Id: 7674881-1-BLK LCS Sample Id: 7674881-1-BKS LCSD Sample Id: 7674881-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	<8.00	1000	1020	102	1150	115	70-135	12	20	mg/kg	04.02.19 22:22	
Diesel Range Organics	<8.13	1000	1130	113	1210	121	70-135	7	20	mg/kg	04.02.19 22:22	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		118		98		70-135	%	04.02.19 22:22
o-Terphenyl	95		112		128		70-135	%	04.02.19 22:22

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 619641

COG Operating LLC

Moody 18 St Com #001H (3-2-13) 2RP-1591

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3084425 — Matrix: Soil — Date Prep: 04.02.19
Parent Sample Id: 619640-001 — MS Sample Id: 619640-001 S — MSD Sample Id: 619640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons	8.61	996	990	99	1120	111	70-135	12	20	mg/kg	04.02.19 23:21	
Diesel Range Organics	10.7	996	1070	106	1140	113	70-135	6	20	mg/kg	04.02.19 23:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		129		70-135	%	04.02.19 23:21
o-Terphenyl	109		107		70-135	%	04.02.19 23:21

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3084502 — Matrix: Solid — Date Prep: 04.03.19
MB Sample Id: 7674976-1-BLK — LCS Sample Id: 7674976-1-BKS — LCSD Sample Id: 7674976-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.102	102	0.0974	98	70-130	5	35	mg/kg	04.03.19 15:39	
Toluene	<0.00200	0.0998	0.0955	96	0.0916	92	70-130	4	35	mg/kg	04.03.19 15:39	
Ethylbenzene	<0.00200	0.0998	0.0966	97	0.0925	93	70-130	4	35	mg/kg	04.03.19 15:39	
m,p-Xylenes	<0.00101	0.200	0.190	95	0.182	92	70-130	4	35	mg/kg	04.03.19 15:39	
o-Xylene	<0.00200	0.0998	0.0955	96	0.0916	92	70-130	4	35	mg/kg	04.03.19 15:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		102		102		70-130	%	04.03.19 15:39
4-Bromofluorobenzene	94		92		94		70-130	%	04.03.19 15:39

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3084502 — Matrix: Soil — Date Prep: 04.03.19
Parent Sample Id: 619640-001 — MS Sample Id: 619640-001 S — MSD Sample Id: 619640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000387	0.101	0.0728	72	0.0669	67	70-130	8	35	mg/kg	04.03.19 16:17	X
Toluene	<0.000458	0.101	0.0683	68	0.0618	62	70-130	10	35	mg/kg	04.03.19 16:17	X
Ethylbenzene	<0.000568	0.101	0.0674	67	0.0600	60	70-130	12	35	mg/kg	04.03.19 16:17	X
m,p-Xylenes	<0.00102	0.201	0.134	67	0.119	60	70-130	12	35	mg/kg	04.03.19 16:17	X
o-Xylene	<0.000346	0.101	0.0677	67	0.0601	60	70-130	12	35	mg/kg	04.03.19 16:17	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		106		70-130	%	04.03.19 16:17
4-Bromofluorobenzene	101		101		70-130	%	04.03.19 16:17

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

Analysis Request of Chain of Custody Record

Page 1 of 1

CONCHO

One Concho Center/600/Illinois Avenue/Midland, Texas
Tel (432) 683-7443

619641

Client Name:	COG	**Site Manager:**	Ike Tavarez itavarez@concho.com
Project Name:	Moody 18 St Com #001H (3-2-13) 2RP-1591		
Project Location: (county, state)	Eddy County, NM	**Project #:**	
Invoice to:	COG		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Robert Grubbs Jr
Comments:			

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	TIME	MATRIX WATER	SOIL		PRESERVATIVE METHOD HCL	HNO_3	ICE			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			Hold
	AH-1 0-1' (Refusal)	3/26/2019			X				X			1		X		X												X						
	AH-2 0-1' (Refusal)	3/26/2019			X				X			1		X		X												X						

Relinquished by: Robert Grubbs	Date: 4-1-19	Time: 1553	Received by: [signature]	Date: 4/1/19	Time: 1553	
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	

LAB USE ONLY
Sample Temperature 3.3/3.2

REMARKS:

☒ RUSH: Same Day 24 hr 48 hr **72 hr**

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: ____________

ORIGINAL COPY

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: COG Operating LLC

Date/ Time Received: 04/01/2019 03:53:00 PM

Work Order #: 619641

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**No**
#18 Water VOC samples have zero headspace?	**N/A**

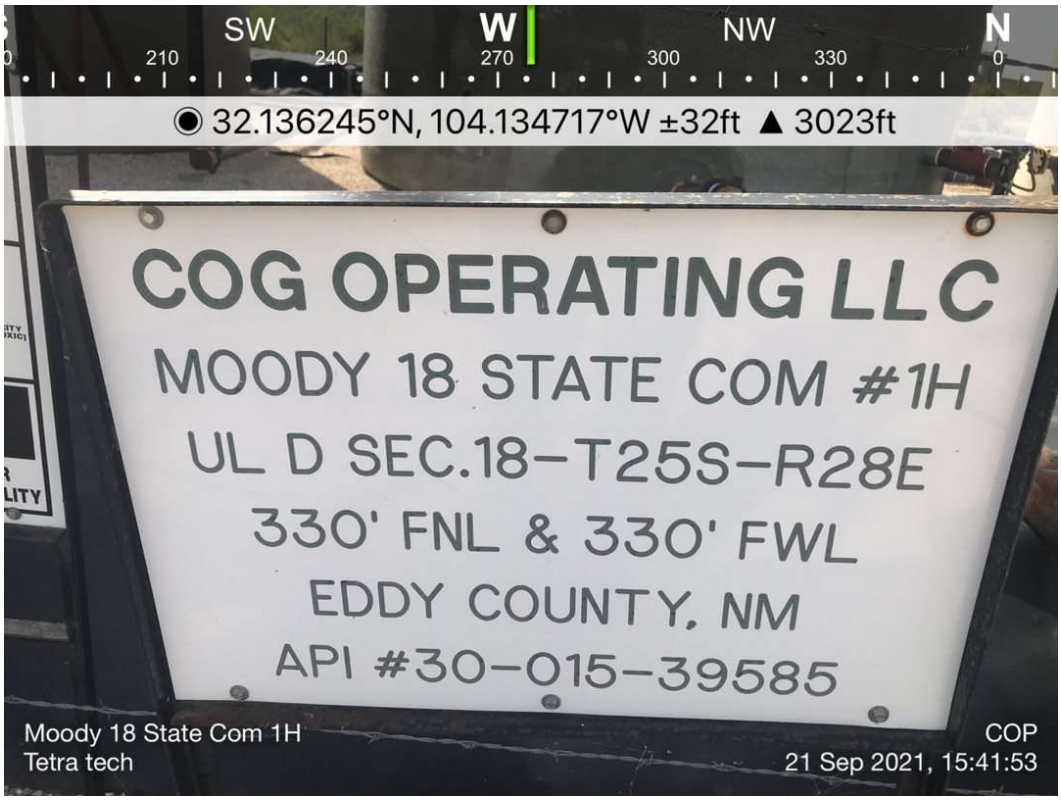
*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

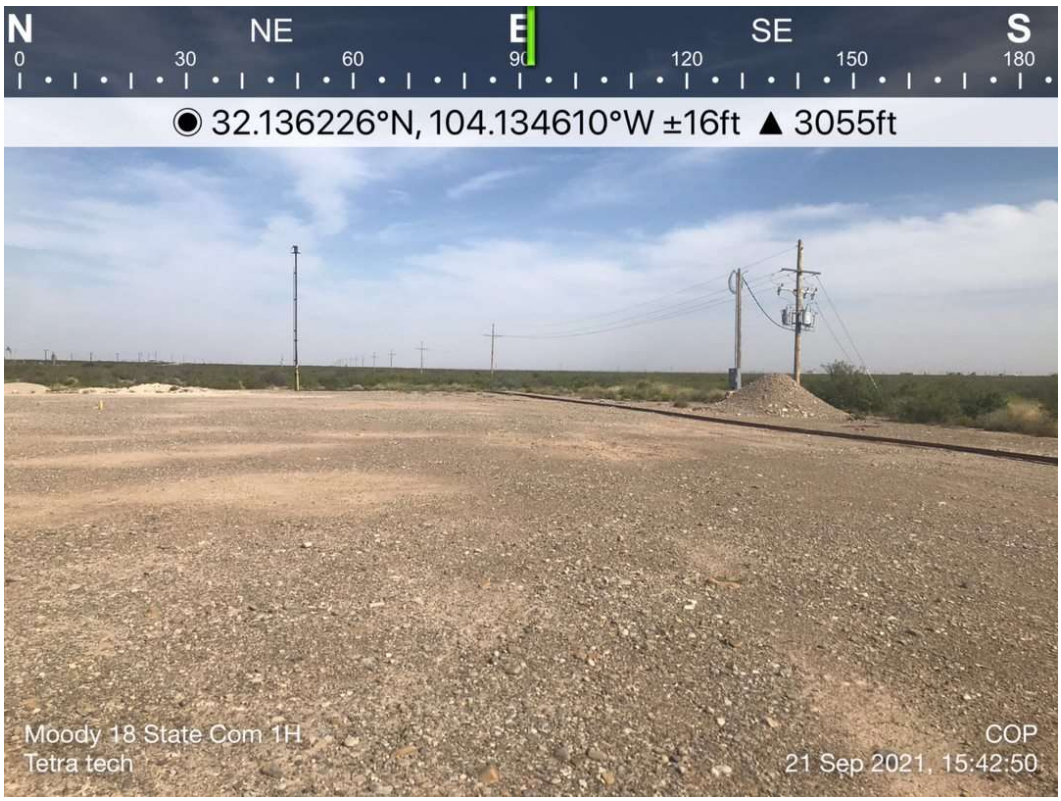
Checklist completed by: Katie Lowe Date: 04/01/2019

Checklist reviewed by: Kalei Stout Date: 04/03/2019

APPENDIX D
Photographic Documentation



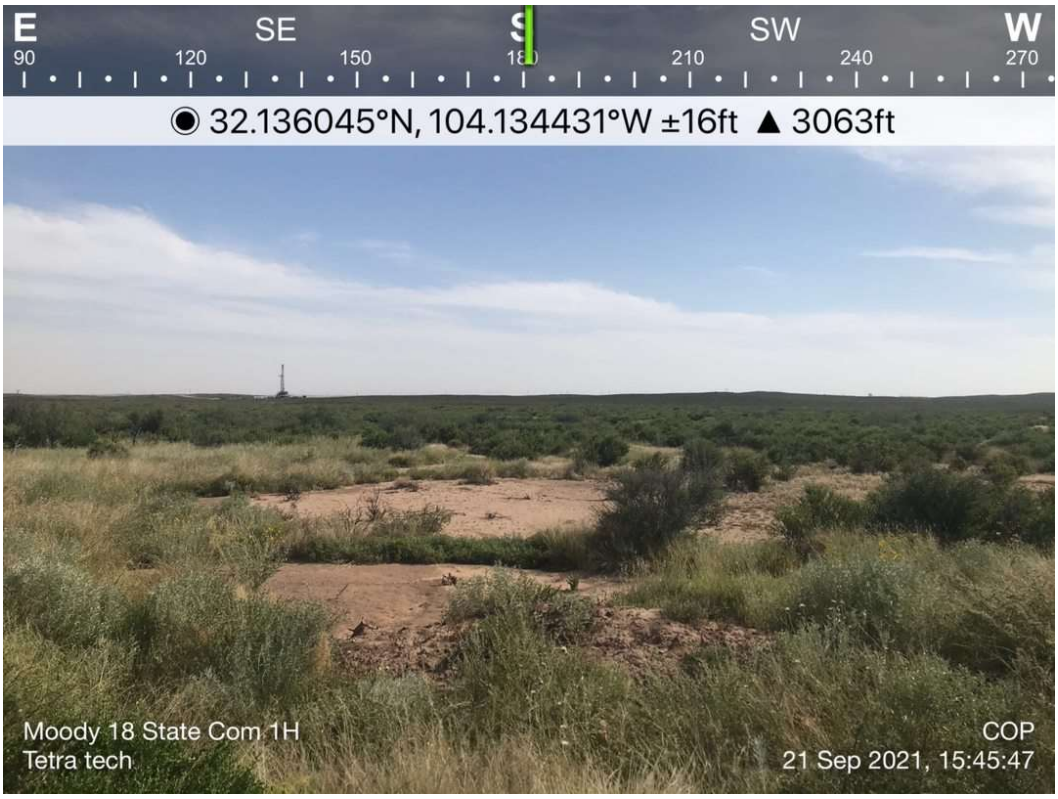
TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View west of Moody 18 State Com #1H signage	1
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View east of the release area and lease pad.	2
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View south of the release area and lease pad.	3
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View west of the existing tanks and lease pad.	4
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View south of the release area and pasture.	5
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View north of the release area and lease pad.	6
	SITE NAME	HConcho - MOODY 18 STATE COM #001H	9/21/2021

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 82015

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 82015
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	3/4/2022