



April 30, 2021

Oil Conservation Division, District II  
811 S. First St.  
Artesia, NM 88210

**Re: Closure Request Report  
Myox 6 State Com 003H (12.31.20)  
Tracking #NAPP2101535199  
GPS: 32.078168, - 104.12881  
Unit Letter C, Section 06, Township 26 South, Range 28 East  
Eddy County, New Mexico**

To Whom it May Concern,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred at the Myox 6 State Com 003H located in Unit Letter C, Section 06, Township 26 South, Range 28 East in Eddy County, New Mexico. The spill site coordinates are 32.078168, - 104.12881.

#### **BACKGROUND**

The release was discovered on December 31, 2020 and a C-141 initial report was submitted and approved by the New Mexico Oil Conservation Division (NMOCD). The release was caused by manual process monitoring failure. Oil was dumped to the flare which resulted in a flare fire. The fire stayed on pad and was extinguished. Approximately three (3) barrels of oil was released. The released oil was burnt up in the flare fire and the resulting stain was scraped immediately. The initial C-141 is shown in Appendix A.

#### **GROUNDWATER AND REGULATORY**

According to the New Mexico Office of State Engineer (NMOSE) and United States Geological (USGS) National Water Information System there are no documented wells within a half mile of the release area. The water well information is shown in Appendix B.

An evaluation and site determination was performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production facilities in New Mexico (effective August 14, 2018). According to the site character evaluation, the release area is located in high karst. No other receptors (water wells, playas, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site.

The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

#### **General Site Characterization and Groundwater:**

Site Characterization	Average Groundwater Depth (ft.)
High Karst	No well found within half mile

**Delineation and Closure Criteria:**

Remedial Action Levels (RALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
Benzene	10 mg/kg
Total BTEX	50 mg/kg

**INITIAL ASSESMENT**

- The release was immediately scraped and subsequently sampled. One sample (SP1) was collected due to the release area measuring under 200 square ft.

**REMEDIAL ACTIONS**

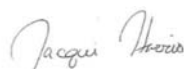
- Table 1 shows the sample depths and analytical results.
- All the excavated (scraped) material was hauled to an NMOCD approved solid waste disposal facility.
- The analytical data shown in Table 1 show that the release area meets NMOCD closure criteria (NMAC 19.15.29.12(E) Table I).

**REQUEST FOR CLOSURE**

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the Myox 6 State Com 003H that occurred on December 31, 2020 (Tracking #NAPP2101535199).

Should you have any questions or concerns on the closure report, please do not hesitate to contact me.

Sincerely,



Jacqui Harris  
Environmental Coordinator  
[Jacqui.Harris@conocophillips.com](mailto:Jacqui.Harris@conocophillips.com)

# Maps




# COG Operating LLC.

Myox 6 State Com 3H  
Eddy County, NM

Lat:32.078168, Long:-104.12881

## Legend

 Myox 6 St Com 3H  
SP 1

Myox 6 St Com 3H Flare Fire (12.31.20)

SP1

Google Earth

Released to Imaging: 8/17/2021 2:10:33 PM



400 ft



# **Table of Analytical Data**

**Table 1**  
**COG Operating LLC.**  
**Myox 6 State Com 003H (12.31.20)-Analytical Data**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Soil Status		TPH (mg/kg)							Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
		In-Situ	Removed	GRO	DRO	MRO	Total	GRO	DRO	Total			
Average Depth to Groundwater (ft) - No well within 1/2 mile				High Karst									
NMOCD RAL Limits (mg/kg)				-	-	-	100	-	-	100	10	50	600
SP 1 @ 0-6"	4/28/21	X		<50.2	<50.2	<50.2	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00397	166

# Photos



# Appendix A



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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

### Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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: _____	Title: _____
Signature: <u>Patricia Zapanta</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
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 <b>not</b> 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: Jaqui Herrera Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



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:  Date: \_\_\_\_\_

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: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



# Appendix B

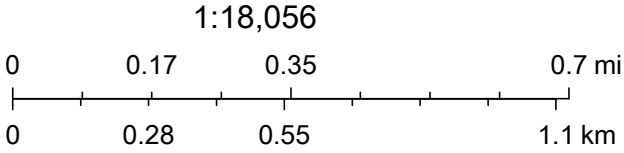


# Myox 6 State Com 3H\_ Half Mile Buffer



4/28/2021, 3:00:58 PM

-  OSE District Boundary
-  SiteBoundaries





Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



# COG Operating LLC.

Karst Potential Map  
Myox 6 State Com 3H

## Legend

-  High Kart Potential
-  Myox 6 St Com 3H

Myox 6 St Com 3H

Google Earth



1000 ft



# National Flood Hazard Layer FIRMette



104°8'2"W 32°4'57"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°7'25"W 32°4'26"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/28/2021 at 4:41 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Appendix C



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-588-1

Laboratory Sample Delivery Group: Eddy NM  
Client Project/Site: Myox 6 St 3H

**For:**

ConocoPhillips Co.  
1401 Commerce Drive  
Carlsbad, New Mexico 882200

Attn: Jacqui Harris

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
4/29/2021 9:06:54 PM

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

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://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.*

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Laboratory Job ID: 890-588-1  
SDG: Eddy NM

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## Definitions/Glossary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
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: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

### Job ID: 890-588-1

### Laboratory: Eurofins Xenco, Carlsbad

#### Narrative

#### Job Narrative 890-588-1

#### Receipt

The sample was received on 4/28/2021 12:23 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

#### Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SP1 (890-588-1).

#### GC VOA

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

#### GC Semi VOA

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.

## Client Sample Results

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

Client Sample ID: SP1

Lab Sample ID: 890-588-1

Date Collected: 04/28/21 11:30

Matrix: Solid

Date Received: 04/28/21 12:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/28/21 14:55	04/29/21 15:15	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/28/21 14:55	04/29/21 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/28/21 14:55	04/29/21 15:15	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/28/21 14:55	04/29/21 15:15	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		04/29/21 16:25	04/29/21 17:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 17:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 17:53	1
Total TPH	<50.0	U	50.0		mg/Kg		04/29/21 16:25	04/29/21 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/29/21 16:25	04/29/21 17:53	1
o-Terphenyl	86		70 - 130	04/29/21 16:25	04/29/21 17:53	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		24.8		mg/Kg			04/29/21 18:09	5

Eurofins Xenco, Carlsbad

## Surrogate Summary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-588-1	SP1	99	88
LCS 880-2456/1-A	Lab Control Sample	111	102
LCSD 880-2456/2-A	Lab Control Sample Dup	114	104
MB 880-2456/5-A	Method Blank	90	91

## 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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-588-1	SP1	95	86
LCS 880-2367/2-A	Lab Control Sample	107	95
LCSD 880-2367/3-A	Lab Control Sample Dup	112	97
MB 880-2367/1-A	Method Blank	107	101

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl



## QC Sample Results

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

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

Lab Sample ID: MB 880-2456/5-A

Matrix: Solid

Analysis Batch: 2480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/28/21 14:55	04/29/21 13:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/28/21 14:55	04/29/21 13:58	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/28/21 14:55	04/29/21 13:58	1

Lab Sample ID: LCS 880-2456/1-A

Matrix: Solid

Analysis Batch: 2480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1181		mg/Kg		118	70 - 130
Toluene	0.100	0.1133		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2472		mg/Kg		124	70 - 130
o-Xylene	0.100	0.1233		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-2456/2-A

Matrix: Solid

Analysis Batch: 2480

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2456

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1155		mg/Kg		115	70 - 130	2	35
Toluene	0.100	0.1097		mg/Kg		110	70 - 130	3	35
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2408		mg/Kg		120	70 - 130	3	35
o-Xylene	0.100	0.1207		mg/Kg		121	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

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

Lab Sample ID: MB 880-2367/1-A

Matrix: Solid

Analysis Batch: 2468

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/27/21 08:49	04/29/21 09:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/27/21 08:49	04/29/21 09:50	1
o-Terphenyl	101		70 - 130	04/27/21 08:49	04/29/21 09:50	1

Lab Sample ID: LCS 880-2367/2-A

Matrix: Solid

Analysis Batch: 2468

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	850.2		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-2367/3-A

Matrix: Solid

Analysis Batch: 2468

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2367

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1135		mg/Kg		113	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	883.2		mg/Kg		88	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	97		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2506/1-A

Matrix: Solid

Analysis Batch: 2509

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			04/29/21 17:54	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-2506/2-A

Matrix: Solid

Analysis Batch: 2509

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-2506/3-A

Matrix: Solid

Analysis Batch: 2509

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	248.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-588-1 MS

Matrix: Solid

Analysis Batch: 2509

Client Sample ID: SP1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	166		1240	1390		mg/Kg		99	90 - 110

Lab Sample ID: 890-588-1 MSD

Matrix: Solid

Analysis Batch: 2509

Client Sample ID: SP1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	166		1240	1384		mg/Kg		98	90 - 110	0	20

## QC Association Summary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

## GC VOA

## Prep Batch: 2456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Total/NA	Solid	5035	
MB 880-2456/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2456/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2456/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 2480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Total/NA	Solid	8021B	2456
MB 880-2456/5-A	Method Blank	Total/NA	Solid	8021B	2456
LCS 880-2456/1-A	Lab Control Sample	Total/NA	Solid	8021B	2456
LCSD 880-2456/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2456

## GC Semi VOA

## Prep Batch: 2367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 2468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Total/NA	Solid	8015B NM	2505
MB 880-2367/1-A	Method Blank	Total/NA	Solid	8015B NM	2367
LCS 880-2367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2367
LCSD 880-2367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2367

## Prep Batch: 2505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Total/NA	Solid	8015NM Prep	

## HPLC/IC

## Leach Batch: 2506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Soluble	Solid	DI Leach	
MB 880-2506/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2506/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2506/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-588-1 MS	SP1	Soluble	Solid	DI Leach	
890-588-1 MSD	SP1	Soluble	Solid	DI Leach	

## Analysis Batch: 2509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-588-1	SP1	Soluble	Solid	300.0	2506
MB 880-2506/1-A	Method Blank	Soluble	Solid	300.0	2506
LCS 880-2506/2-A	Lab Control Sample	Soluble	Solid	300.0	2506
LCSD 880-2506/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2506
890-588-1 MS	SP1	Soluble	Solid	300.0	2506
890-588-1 MSD	SP1	Soluble	Solid	300.0	2506

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

Client Sample ID: SP1      Lab Sample ID: 890-588-1  
Date Collected: 04/28/21 11:30      Matrix: Solid  
Date Received: 04/28/21 12:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2456	04/28/21 14:55	KL	XM
Total/NA	Analysis	8021B		1	2480	04/29/21 15:15	KL	XM
Total/NA	Prep	8015NM Prep			2505	04/29/21 16:25	DM	XM
Total/NA	Analysis	8015B NM		1	2468	04/29/21 17:53	AJ	XM
Soluble	Leach	DI Leach			2506	04/29/21 16:43	SC	XM
Soluble	Analysis	300.0		5	2509	04/29/21 18:09	SC	XM

Laboratory References:  
XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX



## Method Summary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

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

**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.

**Laboratory References:**

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

Sample Summary

Client: ConocoPhillips Co.  
Project/Site: Myox 6 St 3H

Job ID: 890-588-1  
SDG: Eddy NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-588-1	SP1	Solid	04/28/21 11:30	04/28/21 12:23	

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

### Analysis Request of Chain of Custody Record



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

Page

of

4/29/2021

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ORIGINAL COPY

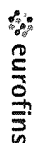
Eurofins Xenco, Carlsbad

1089 N Canal St

Carlsbad NM 88220

Phone 575-988-3199 Fax: 575-988-3199

## Chain of Custody Record



Environment Testing  
America

[illegible]

## Login Sample Receipt Checklist

Client: ConocoPhillips Co.

Job Number: 890-588-1

SDG Number: Eddy NM

Login Number: 588

List Number: 1

Creator: Ordonez, Gabby

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

## Login Sample Receipt Checklist

Client: ConocoPhillips Co.

Job Number: 890-588-1

SDG Number: Eddy NM

Login Number: 588

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Midland

List Creation: 04/29/21 11:44 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	True	
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").	True	



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:  Date: \_\_\_\_\_

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:  Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**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 26609

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 26609
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident # NAPP2101535199 MYOX 6 STATE COM 003H, thank you. This closure is approved.	8/17/2021