TETRA TECH

January 31, 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
McIntyre DK Federal #003 Water Tank Release
Unit Letter N, Section 17, Township 17 South, Range 30 East
Eddy County, New Mexico
Incident ID# nAB1424627897
2RP-2463

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a Heritage Concho release and subsequent remedial actions taken at the Northwest Central Tank Battery, which shares a pad with the McIntyre DK Federal #003 well (API No. 30-015-04186). The release footprint is located in Public Land Survey System (PLSS) Unit Letter N, Section 17, Township 17 South, Range 30 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.830465°, -103.996345°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation District (NMOCD) C-141 Initial Report, the release was discovered on August 18, 2014. The C-141 reports that the release was caused by a corroded 4-inch nipple on the collar of the water tank at the Northwest Central Tank Battery. Approximately 950 barrels (bbls) of produced water and 2 bbls of crude oil were released, of which approximately 900 bbls of produced water and 1 bbl of oil were recovered. The release stayed within the bermed containment, with no release to pasture. The NMOCD approved the initial C-141 on September 3, 2014, and subsequently assigned the release the Incident ID nAB1424627897 and the remediation permit (RP) 2RP-2463. 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 low 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 0.95 miles (1,500 meters) of the site, the depth to groundwater is 85 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	Site RRALs
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

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

INITIAL RESPONSE ACTIVITIES AND CLOSURE REQUEST

Following the release, Concho repaired the tank fitting. The release extent was excavated to a depth of approximately 2-4 inches to remove visually impacted soils, which were sent to an approved facility for disposal. The release extent and initial response extent are presented in Figure 3.

No soil assessment samples were obtained due to the associated hazards consisting of produced water lines, electrical conduits, and production equipment on the north, west, and south side of the tank. The south and east side of the release area occurred over a portion that was previously capped with a 3.5-foot clay liner. To avoid compromising the existing cap, no soil bores were installed through the lined section.

A *Closure Request* letter dated November 5, 2014 was submitted to NMOCD following the initial response actions. The Closure Request letter is included as Appendix C. In an email dated November 12, 2014, NMOCD requested a sample point on the west side of the tank to delineate the release before making a determination. The NMOCD correspondence is included as Appendix D.

SITE ASSESSMENT AND SAMPLING RESULTS

In order to comply with the NMOCD directive given in the November 12, 2014 email, Concho was onsite on March 19, 2019 to install one hand auger soil boring (AH-1) to a depth of 3.5 feet, where refusal was met. A total of four (4) soil samples were collected and sent to Xenco Laboratories in Midland, Texas to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M and BTEX via EPA Method 8261B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E.

Analytical results from the 2021 assessment activities are summarized in Table 1. All analytical results were below the applicable Site RRALs for soils in active oil and gas production areas.

Tetra Tech performed a visual inspection on behalf of ConocoPhillips at the Site on December 29, 2021 to assess current Site conditions. No evidence of lasting impacts from the August 2014 release were observed

during the visual inspection. Photographic documentation of the visual inspection is presented as Appendix F.

CONCLUSION

Based on the results of the site assessment, 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. The remaining contamination is on an active, developed oil and gas production pad, fully delineated, and does not cause an imminent risk to human health, the environment, or groundwater. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC during the initial response activities.

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.
Project Manager

Christian M, Llull, P.G.
Program Manager

cc:
Mr. Ike Tavarez, RMR – ConocoPhillips
Mr. Charles Beauvais, BU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Site Assessment

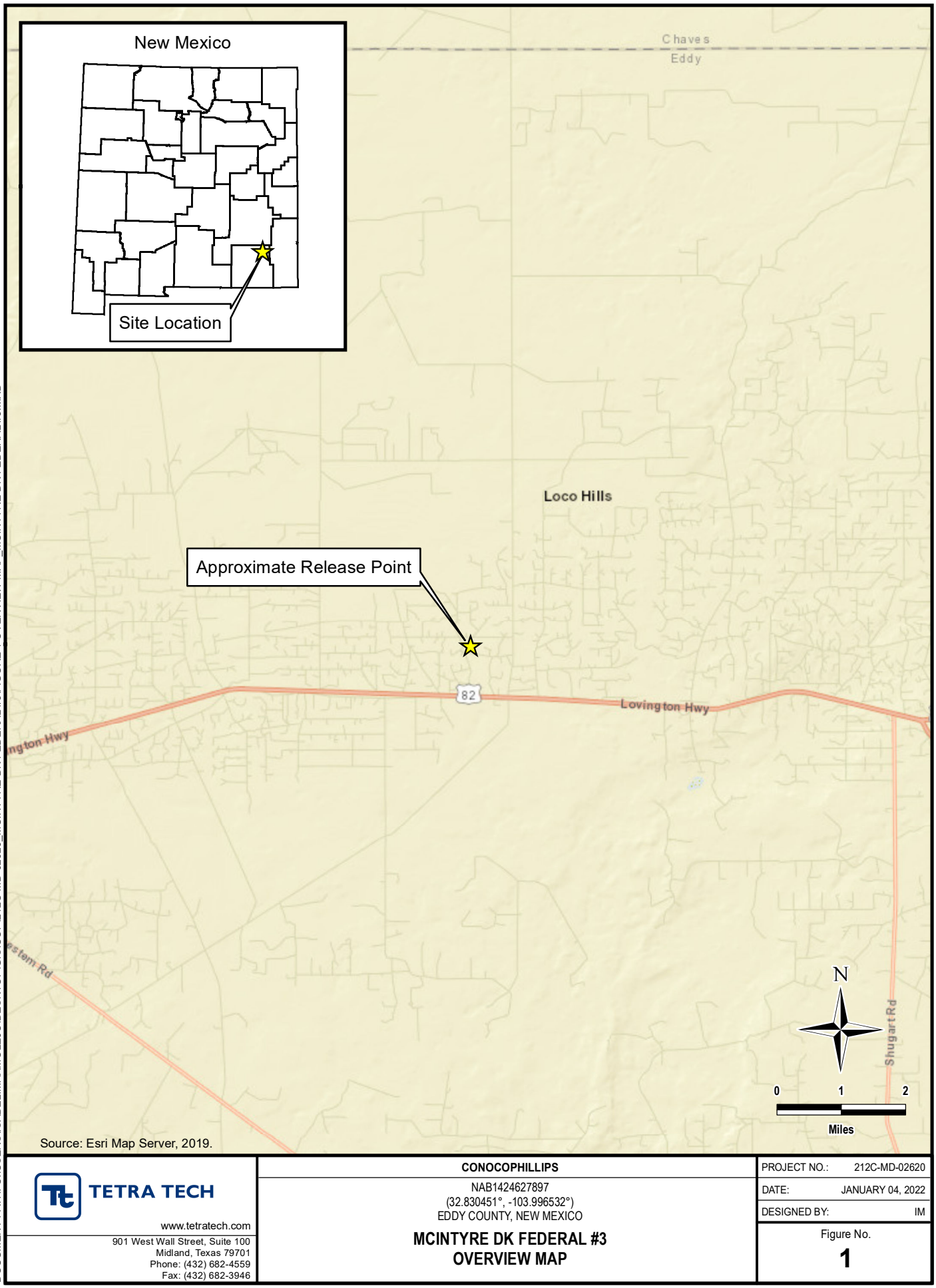
Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Closure Request (November 5, 2014)
Appendix D – NMOCD Correspondence
Appendix E – Laboratory Analytical Data
Appendix F – Photographic Documentation

FIGURES



DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02620_MCINTYRE DK FEDERAL #3\FIGURE 1 OVERVIEW MAP_MCINTYRE DK FEDERAL #3.MXD

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

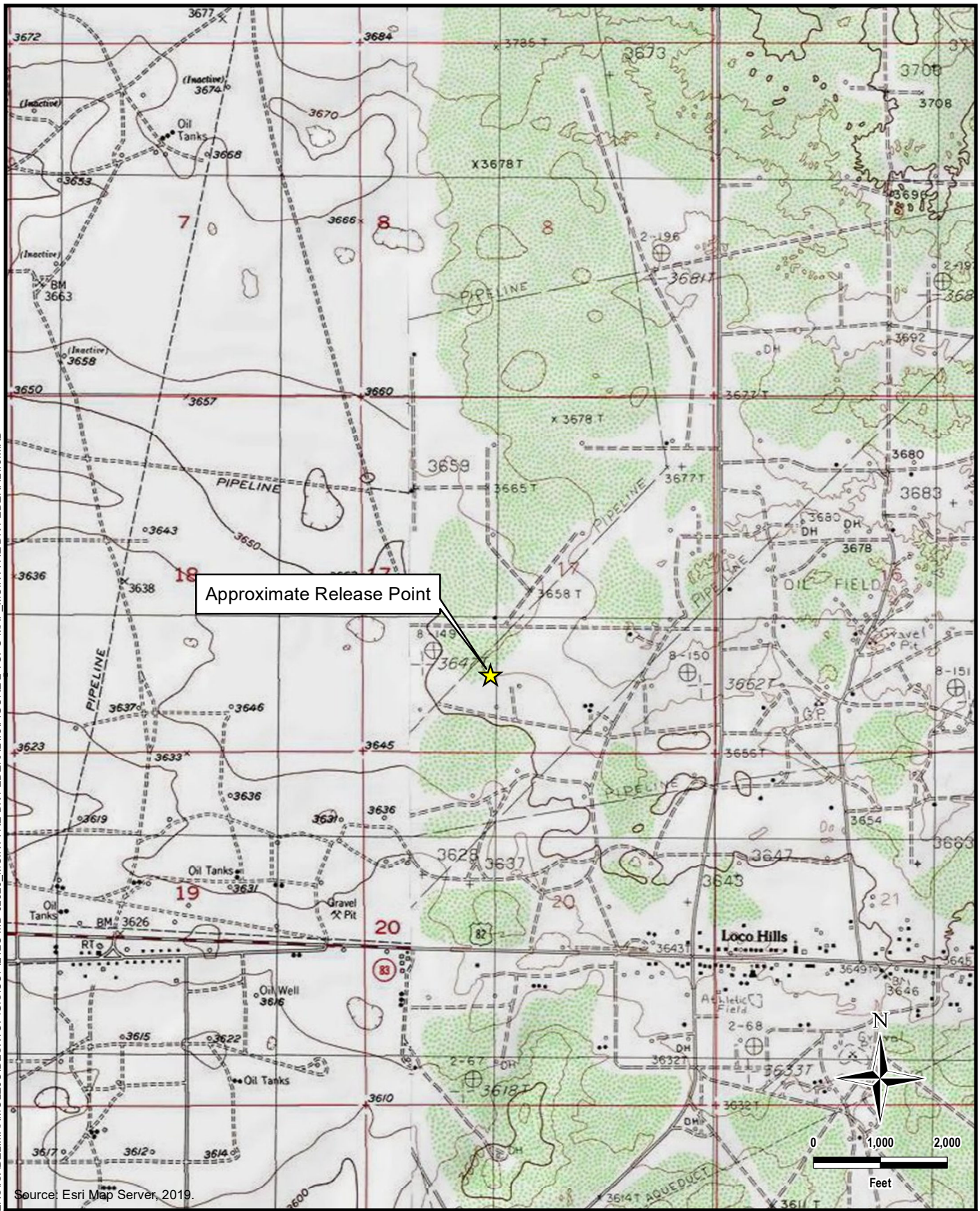
CONOCOPHILLIPS

NAB1424627897
(32.830451°, -103.996532°)
EDDY COUNTY, NEW MEXICO

MCINTYRE DK FEDERAL #3
OVERVIEW MAP

PROJECT NO.:	212C-MD-02620
DATE:	JANUARY 04, 2022
DESIGNED BY:	IM

Figure No.
1



Source: Esri Map Server, 2019.

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02620_MCINTYRE DK FEDERAL #3\FIGURE 2 TOPO MAP_MCINTYRE DK FEDERAL #3.MXD

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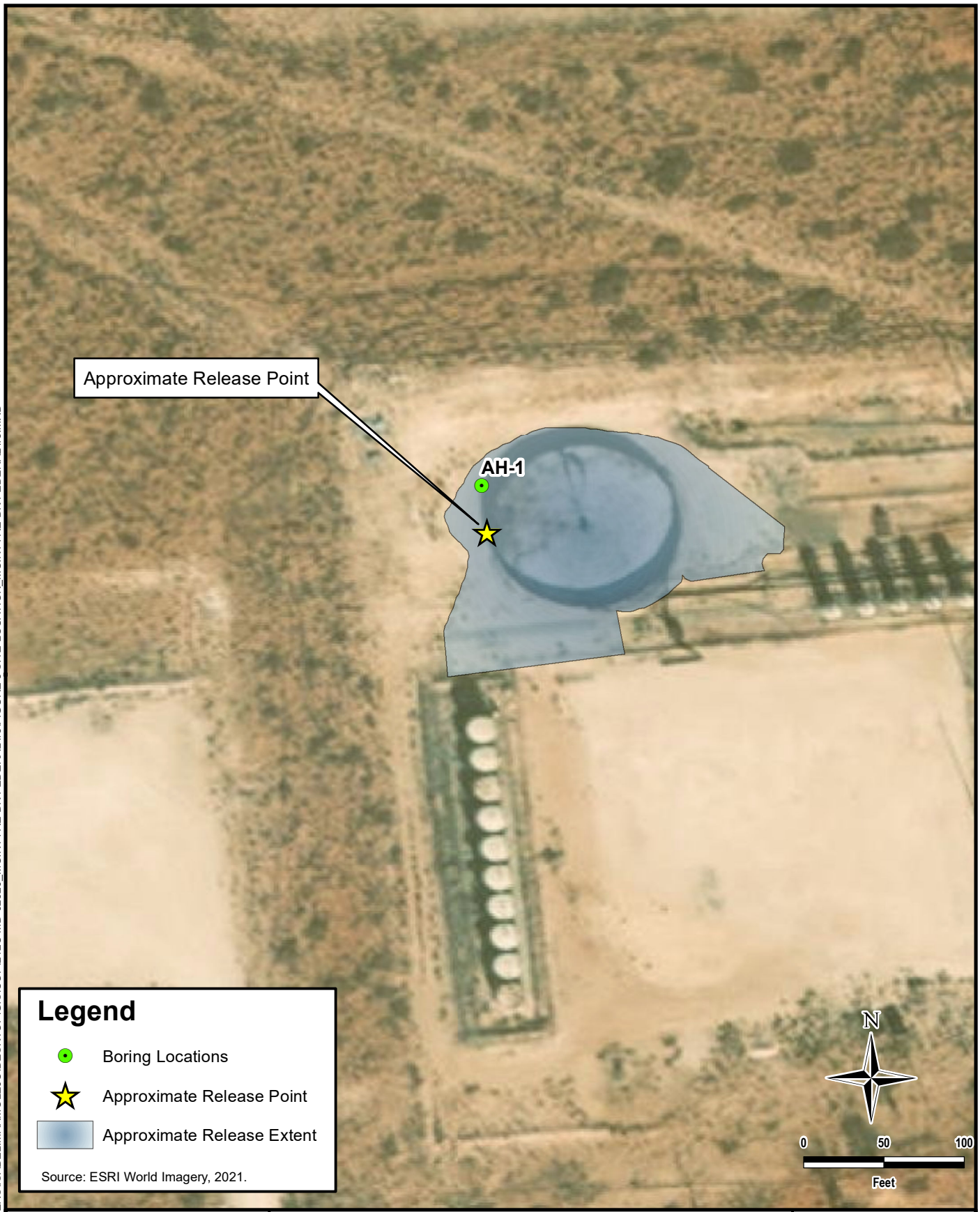
CONOCOPHILLIPS

NAB1424627897
(32.830451°, -103.996532°)
EDDY COUNTY, NEW MEXICO

MCINTYRE DK FEDERAL #3
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02620
DATE:	JANUARY 04, 2022
DESIGNED BY:	IM

Figure No.
2



DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02620_MCINTYRE DK FEDERAL #3\FIGURE 3 SITE LOCATION_MCINTYRE DK FEDERAL #3.MXD

TETRA TECH
www.tetratech.com
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Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NAB1424627897
(32.830451°, -103.996532°)
EDDY COUNTY, NEW MEXICO

MCINTYRE DK FEDERAL #3
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT MAP

PROJECT NO.:	212C-MD-02620
DATE:	JANUARY 25, 2022
DESIGNED BY:	IM

Figure No.
3

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAB1424627897
HERITAGE CONCHO
MCINTYRE DK FEDERAL #003 WATER TANK RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]														TPH[3]							
					Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes		Total BTEX		GRO		DRO		MRO		Total TPH	
		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	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
AH-1	3/19/2019	0-1	84.2		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00199		< 0.00199		< 0.00199		< 15.0		< 15.0		< 15.0		< 15.0	
		1.5	162		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00200		< 0.00200		< 0.00200		< 15.0		< 15.0		< 15.0		< 15.0	
		2.5	428		< 0.00202		< 0.00202		< 0.00202		< 0.00403		< 0.00202		< 0.00202		< 0.00202		< 15.0		19.1		< 15.0		19.1	
		3.5 (Refusal)	733		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00199		< 0.00199		< 0.00199		< 15.0		< 15.0		< 15.0		< 15.0	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

MRO Motor Oil range organics

1 EPA Method 300.0

2 EPA Method 8021B

3 Method SW8015 Mod

APPENDIX A
C-141 Forms

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1434627897

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC 229137	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Northwest Central Tank Battery	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner:	Lease No. NMNM-86025

LOCATION OF RELEASE

API # 30-015-04186

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	17	17S	30E	990	South	2310	West	Eddy

Latitude 32.49.813 **Longitude** 103 59.725

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Oil: 2 bbls ; PW: 950 bbls	Volume Recovered: Oil: 1 bbls ; PW: 900 bbls
Source of Release: 4" Nipple on collar of water tank	Date and Hour of Occurrence: 8/18/2014 10:30 am	Date and Hour of Discovery: 8/18/2014 10:30 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher – OCD / Jeffrey Robertson – BLM	
By Whom? Amanda Trujillo	Date and Hour: 8/18/2014 4:56 pm	
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.*
The release was caused by a corroded 4" nipple on the collar on the water tank. The tank was repaired. Vacuum trucks were dispatched to pick up all standing fluids. All fluids were disposed at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.*
The impacted area was contained to the bermed area, with no release to the pasture. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation 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: Amanda Trujillo

Title: Senior Environmental Coordinator

E-mail Address: atrujillo@concho.com

Date: August 29, 2014 Phone: 575-748-6940

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 9/3/14 Expiration Date: N/A

Conditions of Approval:
Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 10/3/14

Attached ☐

2RP-2463

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

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?	☐ 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	
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:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: _____

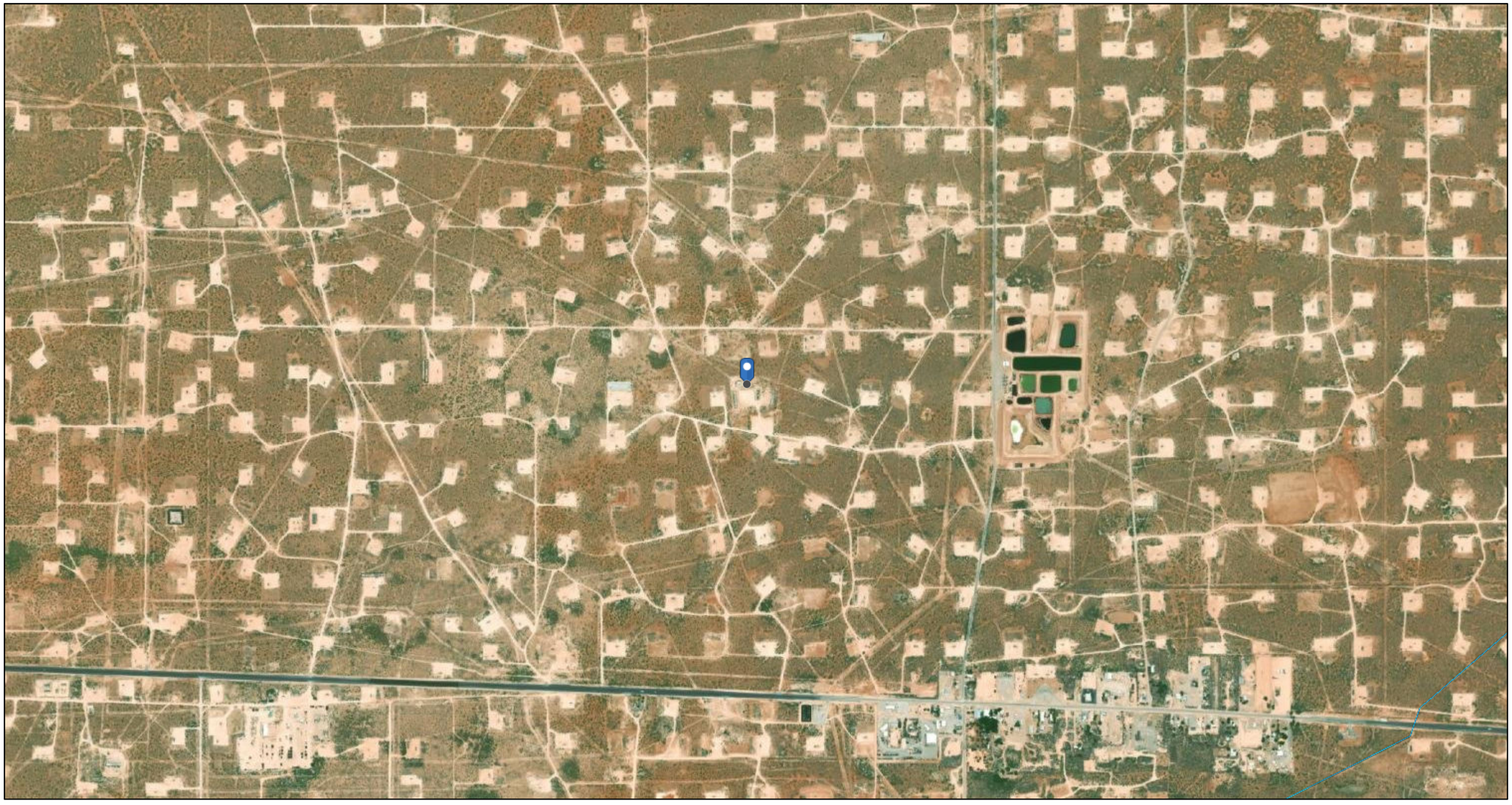
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

OCD Waterbodies



11/30/2021, 11:36:35 AM

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:18,056

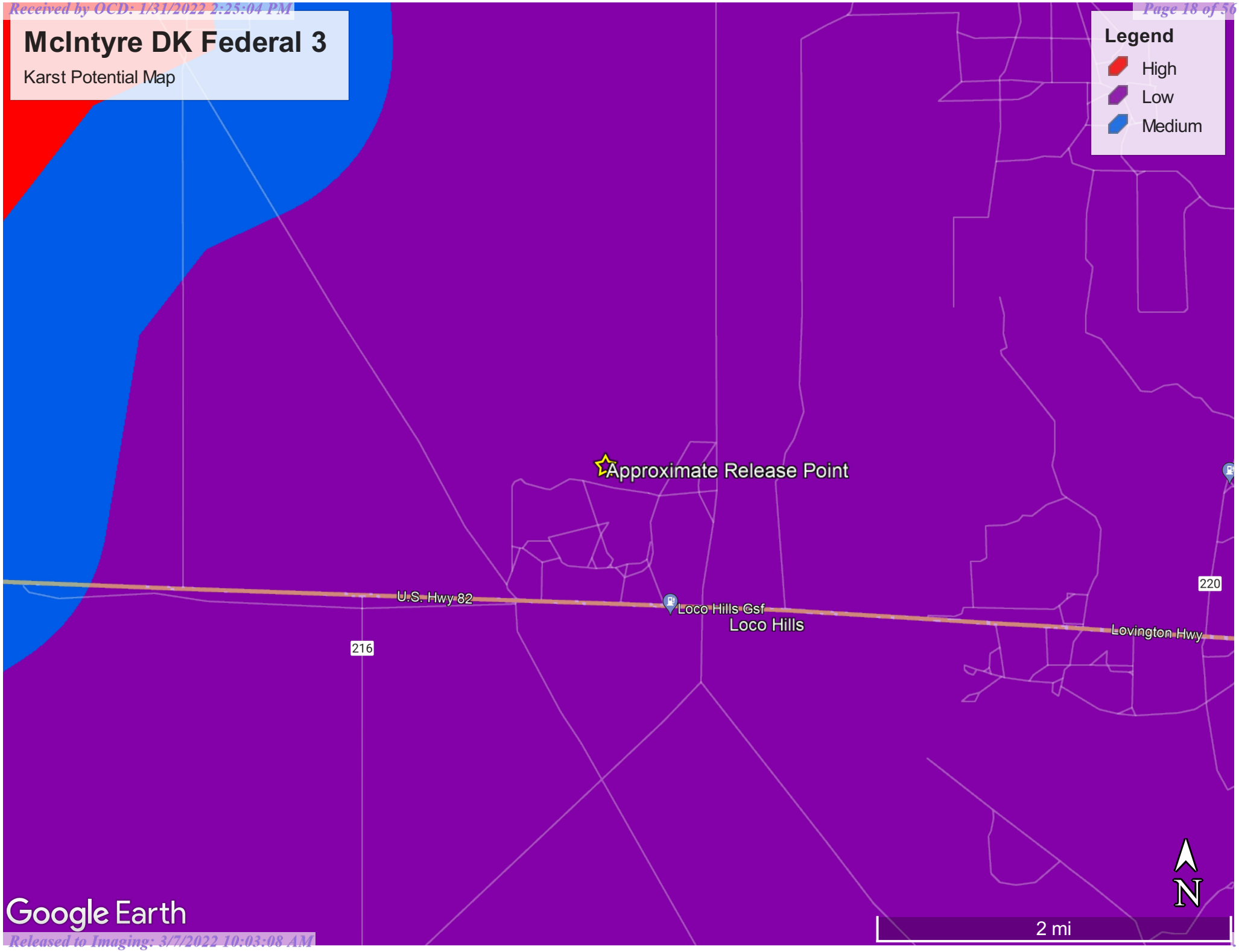
0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, HERE, Garmin, iPC, Maxar

McIntyre DK Federal 3

Karst Potential Map



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	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11914 POD1	RA	ED	2	4	2	20	17S	30E	594801	3632002	1252	85	80	5

Average Depth to Water: **80 feet**

Minimum Depth: **80 feet**

Maximum Depth: **80 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 593970.45 **Northing (Y):** 3632939.49 **Radius:** 1500

APPENDIX C
Closure Request
(November 5, 2014)

CONCHO

Lupe Carrasco
Environmental Coordinator

November 5, 2014

Oil Conservation Division
District 2 – Artesia
811 S. First St.
Artesia, NM 88210

Re: Northwest Central Tank Battery
Lease No. NMNM-86025
Sec. 17, T17S-R30E
Eddy County, NM

Mr. Mike Bratcher,

COG Operating LLC would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is in response to the C-141 initial report dated August 29, 2014.

Background

The release was caused by a corroded 4" nipple on a collar attached to the tank releasing approximately 2 barrels of oil and 950 barrels of produced water of which 1 barrel of oil and 900 barrels of produced water were recovered. All fluid was contained within the bermed facility. The tank fitting was repaired and an initial scrape of 2-4" was done with all impacted material hauled to an approved NMOCD facility for disposal.

Groundwater

Based on the Chevron Trend Maps, the release area would be classified at a site ranking of Zero due to the depth of groundwater at greater than 250'. No well information could be found for Section 17 per NMOSE.

Soil Assessment and Analytical Results

Soil assessment results were not obtained due to the associated hazards consisting of produced water lines, electrical conduits, and production equipment on the North, West, and South side of the tank. The South and East side of the release area occurred over a portion that was previously capped with a 3.5' of clay material (see attached diagram). At the risk of not compromising the existing cap, no soil bores were installed through the lined section.

CORPORATE ADDRESS
One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701
PHONE 432.683.7443 | FAX 432.683.7441

LOCAL ADDRESS
Concho West | 2208 Main Street | Artesia, New Mexico 88210
PHONE 575.748.6940 | FAX 575.746.2096

Work Plan

COG Operating LLC proposes no further excavation of the release area due to the clay material in place and the associated safety hazards involved with excavation and sampling. As approved in a previous work plan submitted to the NMOCD (May 2014), any future mitigation of releases will be handled at time of abandonment of the facility.

If there are no objections or further stipulations, COG Operating LLC would like to request closure of the site based on approval of this work plan. Please feel free to contact me with any questions or concerns at (575) 725-0787.

Sincerely,

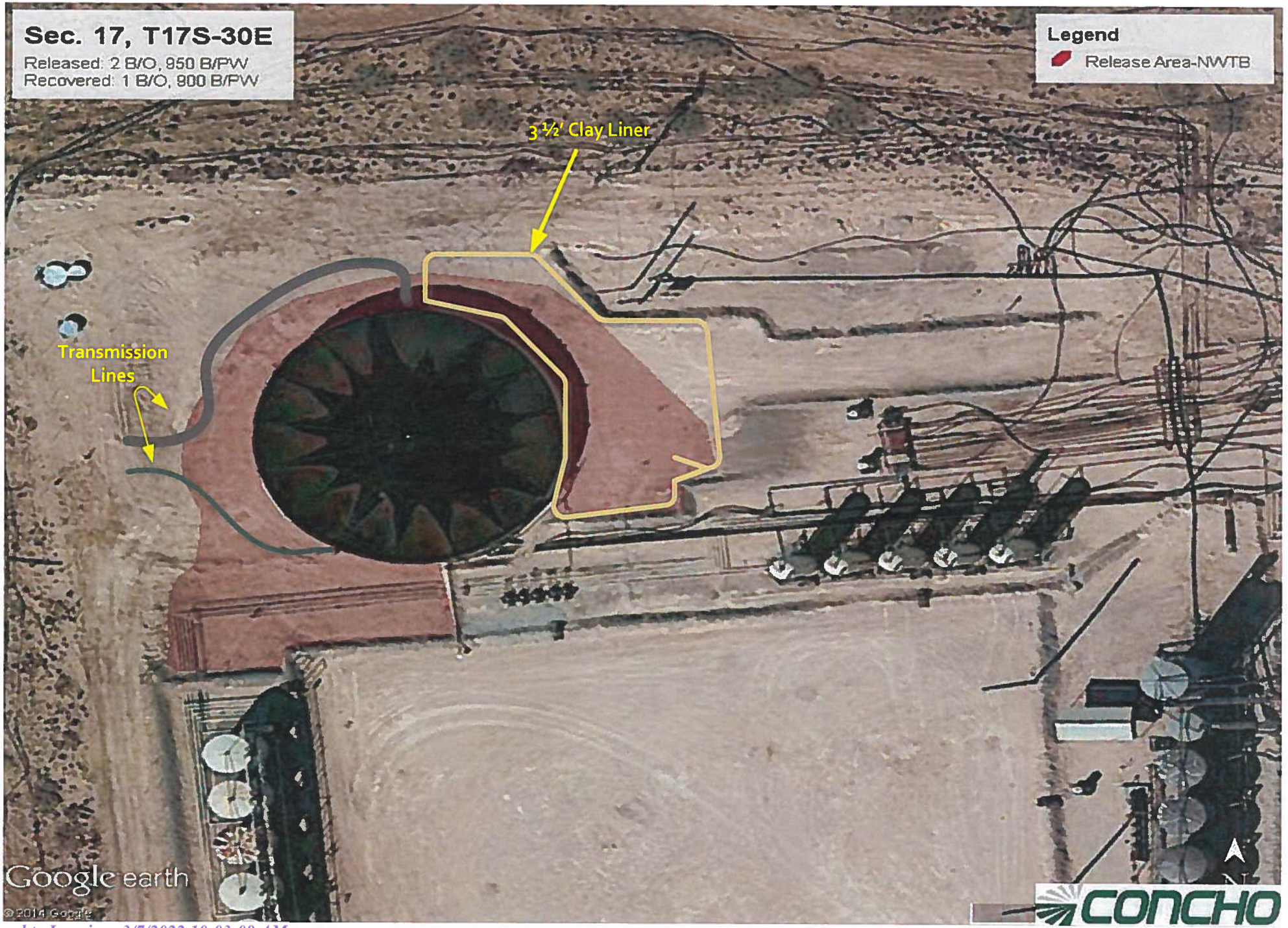
Lupe Carrasco
Environmental Scientist

Enclosed

(1) Site Diagram
(2) C-141 Initial (copy)
(3) C-141 Final

November 4, 2014

Northwest Central Tank Battery



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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Repor

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Northwest Central Tank Battery	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner:	Lease No. NMNM-86025

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	17	17S	30E	990	South	2310	West	Eddy

Latitude 32.49.813 **Longitude**103 59.725

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Oil: 2 bbls ; PW: 950 bbls	Volume Recovered: Oil: 1 bbls ; PW: 900 bbls
Source of Release: 4" Nipple on collar of water tank	Date and Hour of Occurrence: 8/18/2014 10:30 am	Date and Hour of Discovery: 8/18/2014 10:30 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher – OCD / Jeffrey Robertson – BLM	
By Whom? Amanda Trujillo	Date and Hour: 8/18/2014 4:56 pm	
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.*
The release was caused by a corroded 4" nipple on the collar on the water tank. The tank was repaired. Vacuum trucks were dispatched to pick up all standing fluids. All fluids were disposed at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.*
The impacted area was contained to the bermed area, with no release to the pasture. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation 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: A. Trujillo	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: atrujillo@concho.com	Conditions of Approval:	Attached ☐
Date: August 29, 2014 Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Northwest Central Tank Battery	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner:	Lease No. NMNM-86025

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	17	17S	30E	990	South	2310	West	Eddy

Latitude 32.49.813 **Longitude**103 59.725

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: Oil: 2 bbls ; PW: 950 bbls	Volume Recovered: Oil: 1 bbls ; PW: 900 bbls
Source of Release: 4" Nipple on collar of water tank	Date and Hour of Occurrence: 8/18/2014 10:30 am	Date and Hour of Discovery: 8/18/2014 10:30 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher – OCD / Jeffrey Robertson – BLM	
By Whom? Amanda Trujillo	Date and Hour: 8/18/2014 4:56 pm	
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.*
The release was caused by a corroded 4" nipple on the collar on the water tank. The tank was repaired. Vacuum trucks were dispatched to pick up all standing fluids. All fluids were disposed at an NMOCD approved facility.

Describe Area Affected and Cleanup Action Taken.*
The impacted area was contained to the bermed area, with no release to the pasture. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation 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: A Trujillo	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: atrujillo@concho.com	Conditions of Approval:	Attached ☐
Date: November 5, 2014 Phone: 575-748-6940		

Attach Additional Sheets If Necessary

APPENDIX D
NMOCD Correspondence

From: Patterson, Heather, EMNRD
To: "Lupe Carrasco"
Cc: Amanda Trujillo; Garrett Merket; Bratcher, Mike, EMNRD; james_amos@blm.gov
Subject: RE: (Closure) Northwest Central Tank Battery (McIntyre DK Federal #3) (30-015-04186)
Date: Wednesday, November 12, 2014 1:23:00 PM
Attachments: image001.png

Lupe,

The OCD needs a delineation on this site before a determination can be made. A sample point on the West side of the tank will suffice at this time.

Heather Patterson
Environmental Specialist
NMOCD District II
(575)748-1283 ext.101

From: Lupe Carrasco [mailto:GCarrasco@concho.com]
Sent: Wednesday, November 05, 2014 10:43 AM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; james_amos@blm.gov
Cc: Amanda Trujillo; Garrett Merket
Subject: (Closure) Northwest Central Tank Battery (McIntyre DK Federal #3) (30-015-04186)

Mr. Bratcher,

Attached for your consideration is a Closure report for the Norwest Central Tank Battery release reported on August 18, 2014. Please feel free to contact me with any questions or concerns.

Thanks!

Lupe Carrasco
Environmental Coordinator
Concho Resources
Cell: 575.725.0787
Office: 575.748.6933
gcarrasco@concho.com

2208 W. Main St.
Artesia , NM 88210

From: Amanda Trujillo
Sent: Friday, August 29, 2014 6:11 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; james_amos@blm.gov; jlrobertson@blm.gov
Subject: (C-141) Northwest Central Tank Battery (McIntyre DK Federal #3) (30-015-04186)

Mr. Bratcher,

Attached is the required C-141 for your consideration. Please feel free to contact me if you have any additional questions or concerns.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2208 W. Main St.
Artesia , NM 88210

From: Amanda Trujillo
Sent: Monday, August 18, 2014 4:56 PM
To: 'Bratcher, Mike, EMNRD'; 'Patterson, Heather, EMNRD'; 'james_amos@blm.gov'; 'jlrobertson@blm.gov'
Subject: (Notification) McIntyre DK Federal #3 (30-015-04186)

Mr. Bratcher/Mr. Amos,

COG Operating LLC is reporting a release at the **McIntyre DK Federal #3 (30-015-04186)**.
The release occurred at 10:30 am on 08/18/2014.
Released: Oil 2 bbls ; PW 950 bbls
Recovered: Oil 1 bbls ; PW 900 bbls
This release was caused by corrosion of a 4" nipple on the tank. All fluid stayed within the bermed area and there was no release to the pasture. The site is being evaluated for clean-up and a C-141

submitted. If you have any additional questions please feel free to contact me.

Thank you,

Amanda Trujillo
Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2208 W. Main St.
Artesia , NM 88210

APPENDIX E
Laboratory Analytical Data

Certificate of Analysis Summary 618649

COG Operating LLC, Artesia, NM

Project Name: Mclntyre DK Fed #3 (8-18-14) 2RP-2463

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

Date Received in Lab: Fri Mar-22-19 03:12 pm
Report Date: 27-MAR-19
Project Manager: Brandi Ritcherson

Analysis Requested											
	Lab Id:	618649-001		618649-002		618649-003		618649-004			
	Field Id:	AH-1 0-1'		AH-1 1.5'		AH-1 2.5'		AH-1 3.5 (Refusal)			
	Depth:										
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Mar-19-19 00:00		Mar-19-19 00:00		Mar-19-19 00:00		Mar-19-19 00:00			
BTEX by EPA 8021B	*Extracted:*	Mar-26-19 16:00		Mar-26-19 16:00		Mar-26-19 16:00		Mar-26-19 16:00			
	Analyzed:	Mar-27-19 06:49		Mar-27-19 07:08		Mar-27-19 07:27		Mar-27-19 07:46			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00403	0.00403	<0.00398	0.00398		
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199		
Chloride by EPA 300	*Extracted:*	Mar-23-19 17:00		Mar-23-19 17:00		Mar-23-19 17:00		Mar-23-19 17:00			
	Analyzed:	Mar-23-19 21:15		Mar-23-19 21:22		Mar-23-19 21:28		Mar-23-19 21:35			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		84.2	4.96	162	5.01	428	4.99	733	4.97		
TPH By SW8015 Mod	*Extracted:*	Mar-23-19 11:00		Mar-23-19 11:00		Mar-23-19 11:00		Mar-23-19 11:00			
	Analyzed:	Mar-23-19 23:45		Mar-24-19 00:04		Mar-24-19 00:24		Mar-24-19 00:43			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		
Diesel Range Organics		<15.0	15.0	<15.0	15.0	19.1	15.0	<15.0	15.0		
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		
Total TPH		<15.0	15.0	<15.0	15.0	19.1	15.0	<15.0	15.0		

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

Brandi Ritcherson
Project Manager

Analytical Report 618649

for

COG Operating LLC

Project Manager: Ike Tavarez

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

27-MAR-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)

27-MAR-19

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

Reference: XENCO Report No(s): **618649**
Mclntyre DK Fed #3 (8-18-14) 2RP-2463
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) 618649. 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. 618649 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,

Brandi Ritcherson
Project Manager

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 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 0-1'	S	03-19-19 00:00		618649-001
AH-1 1.5'	S	03-19-19 00:00		618649-002
AH-1 2.5'	S	03-19-19 00:00		618649-003
AH-1 3.5 (Refusal)	S	03-19-19 00:00		618649-004

CASE NARRATIVE

Client Name: COG Operating LLC

Project Name: Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Project ID:
Work Order Number(s): *618649*

Report Date: *27-MAR-19*
Date Received: *03/22/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083516 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 0-1'**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-001	Date Collected:	03.19.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.23.19 17.00	Basis:	Wet Weight
Seq Number:	3083129				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**84.2**	4.96	mg/kg	03.23.19 21.15		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	03.23.19 11.00	Basis:	Wet Weight
Seq Number:	3083123				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<15.0	15.0	mg/kg	03.23.19 23.45	U	1
Diesel Range Organics	C10C28DRO	<15.0	15.0	mg/kg	03.23.19 23.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.23.19 23.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.23.19 23.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	03.23.19 23.45	
o-Terphenyl	84-15-1	96	%	70-135	03.23.19 23.45	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 0-1'**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-001	Date Collected:	03.19.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	03.26.19 16.00	Basis:	Wet Weight
Seq Number:	3083516				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.19 06.49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.19 06.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	130	%	70-130	03.27.19 06.49	
1,4-Difluorobenzene	540-36-3	102	%	70-130	03.27.19 06.49	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id: **AH-1 1.5'** Matrix: Soil Date Received:03.22.19 15.12

Lab Sample Id: 618649-002 Date Collected: 03.19.19 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 03.23.19 17.00 Basis: Wet Weight

Seq Number: 3083129

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**162**	5.01	mg/kg	03.23.19 21.22		1

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P

Tech: ARM % Moisture:

Analyst: ARM Date Prep: 03.23.19 11.00 Basis: Wet Weight

Seq Number: 3083123

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<15.0	15.0	mg/kg	03.24.19 00.04	U	1
Diesel Range Organics	C10C28DRO	<15.0	15.0	mg/kg	03.24.19 00.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.24.19 00.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.24.19 00.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.24.19 00.04	
o-Terphenyl	84-15-1	98	%	70-135	03.24.19 00.04	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 1.5'**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-002	Date Collected:	03.19.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	03.26.19 16.00	Basis:	Wet Weight
Seq Number:	3083516				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.27.19 07.08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.27.19 07.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	03.27.19 07.08	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.27.19 07.08	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 2.5'**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-003	Date Collected:	03.19.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.23.19 17.00	Basis:	Wet Weight
Seq Number:	3083129				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**428**	4.99	mg/kg	03.23.19 21.28		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	03.23.19 11.00	Basis:	Wet Weight
Seq Number:	3083123				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<15.0	15.0	mg/kg	03.24.19 00.24	U	1
Diesel Range Organics	C10C28DRO	**19.1**	15.0	mg/kg	03.24.19 00.24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.24.19 00.24	U	1
Total TPH	PHC635	**19.1**	15.0	mg/kg	03.24.19 00.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	03.24.19 00.24	
o-Terphenyl	84-15-1	105	%	70-135	03.24.19 00.24	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 2.5'**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-003	Date Collected:	03.19.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	03.26.19 16.00	Basis:	Wet Weight
Seq Number:	3083516				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.27.19 07.27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.19 07.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	03.27.19 07.27	
1,4-Difluorobenzene	540-36-3	102	%	70-130	03.27.19 07.27	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 3.5 (Refusal)**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-004	Date Collected:	03.19.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	03.23.19 17.00	Basis:	Wet Weight
Seq Number:	3083129				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**733**	4.97	mg/kg	03.23.19 21.35		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	03.23.19 11.00	Basis:	Wet Weight
Seq Number:	3083123				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons	PHC610	<15.0	15.0	mg/kg	03.24.19 00.43	U	1
Diesel Range Organics	C10C28DRO	<15.0	15.0	mg/kg	03.24.19 00.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.24.19 00.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.24.19 00.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.24.19 00.43	
o-Terphenyl	84-15-1	96	%	70-135	03.24.19 00.43	

Certificate of Analytical Results 618649

COG Operating LLC, Artesia, NM

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Sample Id:	**AH-1 3.5 (Refusal)**	Matrix:	Soil	Date Received:	03.22.19 15.12
Lab Sample Id:	618649-004	Date Collected:	03.19.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	03.26.19 16.00	Basis:	Wet Weight
Seq Number:	3083516				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.19 07.46	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.19 07.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	03.27.19 07.46	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.27.19 07.46	

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 618649

COG Operating LLC

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3083129 — Matrix: Solid — Date Prep: 03.23.19
MB Sample Id: 7674202-1-BLK — LCS Sample Id: 7674202-1-BKS — LCSD Sample Id: 7674202-1-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	249	100	254	102	90-110	2	20	mg/kg	03.23.19 20:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3083129 — Matrix: Soil — Date Prep: 03.23.19
Parent Sample Id: 618648-009 — MS Sample Id: 618648-009 S — MSD Sample Id: 618648-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	21.3	252	291	107	294	108	90-110	1	20	mg/kg	03.23.19 21:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3083129 — Matrix: Soil — Date Prep: 03.23.19
Parent Sample Id: 618648-010 — MS Sample Id: 618648-010 S — MSD Sample Id: 618648-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	32.0	251	290	103	289	102	90-110	0	20	mg/kg	03.23.19 22:35	

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3083123 — Matrix: Solid — Date Prep: 03.23.19
MB Sample Id: 7674187-1-BLK — LCS Sample Id: 7674187-1-BKS — LCSD Sample Id: 7674187-1-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	1060	106	1010	101	70-135	5	20	mg/kg	03.23.19 17:56	
Diesel Range Organics	<8.13	1000	1160	116	1090	109	70-135	6	20	mg/kg	03.23.19 17:56	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		120		128		70-135	%	03.23.19 17:56
o-Terphenyl	121		118		114		70-135	%	03.23.19 17:56

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

Final 1.000

QC Summary 618649

COG Operating LLC

Mclntyre DK Fed #3 (8-18-14) 2RP-2463

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3083123 — Matrix: Soil — Date Prep: 03.23.19
Parent Sample Id: 618605-001 — MS Sample Id: 618605-001 S — MSD Sample Id: 618605-001 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	10100	1000	11700	160	11300	120	70-135	3	20	mg/kg	03.24.19 12:31	X
Diesel Range Organics	11000	1000	12200	120	12000	100	70-135	2	20	mg/kg	03.24.19 12:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		120		70-135	%	03.24.19 12:31
o-Terphenyl	127		127		70-135	%	03.24.19 12:31

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3083516 — Matrix: Solid — Date Prep: 03.26.19
MB Sample Id: 7674413-1-BLK — LCS Sample Id: 7674413-1-BKS — LCSD Sample Id: 7674413-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.106	106	0.113	113	70-130	6	35	mg/kg	03.26.19 23:36	
Toluene	<0.000454	0.0996	0.103	103	0.109	109	70-130	6	35	mg/kg	03.26.19 23:36	
Ethylbenzene	<0.000563	0.0996	0.110	110	0.116	116	70-130	5	35	mg/kg	03.26.19 23:36	
m,p-Xylenes	<0.00101	0.199	0.214	108	0.227	114	70-130	6	35	mg/kg	03.26.19 23:36	
o-Xylene	<0.000343	0.0996	0.111	111	0.119	119	70-130	7	35	mg/kg	03.26.19 23:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		101		104		70-130	%	03.26.19 23:36
4-Bromofluorobenzene	108		115		122		70-130	%	03.26.19 23:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3083516 — Matrix: Soil — Date Prep: 03.26.19
Parent Sample Id: 618647-001 — MS Sample Id: 618647-001 S — MSD Sample Id: 618647-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000384	0.0998	0.108	108	0.109	110	70-130	1	35	mg/kg	03.27.19 00:14	
Toluene	<0.000455	0.0998	0.0985	99	0.0981	99	70-130	0	35	mg/kg	03.27.19 00:14	
Ethylbenzene	<0.000564	0.0998	0.0936	94	0.0913	92	70-130	2	35	mg/kg	03.27.19 00:14	
m,p-Xylenes	<0.00101	0.200	0.180	90	0.175	88	70-130	3	35	mg/kg	03.27.19 00:14	
o-Xylene	<0.000344	0.0998	0.0938	94	0.0914	92	70-130	3	35	mg/kg	03.27.19 00:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	03.27.19 00:14
4-Bromofluorobenzene	121		122		70-130	%	03.27.19 00:14

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

CONCHO

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

6/8649

Client Name: COG	Site Manager: Ike Tavarez itavarez@concho.com
Project Name: McIntyre DK Fed #3 (8-18-14) 2RP-2463	
Project Location: (county, state) Eddy County, NM	Project #:
Invoice to: COG	
Receiving Laboratory: Xenco	Sampler Signature: Robert Grubbs Jr
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# 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'	3/19/2019			X				X			1		X		X												X							
	AH-1 1.5'	3/19/2019			X				X			1		X		X												X							
	AH-1 2.5'	3/19/2019			X				X			1		X		X												X							
	AH-1 3.5' (Refusal)	3/19/2019			X				X			1		X		X												X							

ANALYSIS REQUEST
(Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Robert Grubbs	3-22-19	15:11	BGM	3/22	1512
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY
Sample Temperature
3.1/3.1

REMARKS:

- [X] 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: 03/22/2019 03:12:00 PM

Work Order #: 618649

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)?	3.1
#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)?	**N/A**
#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#:

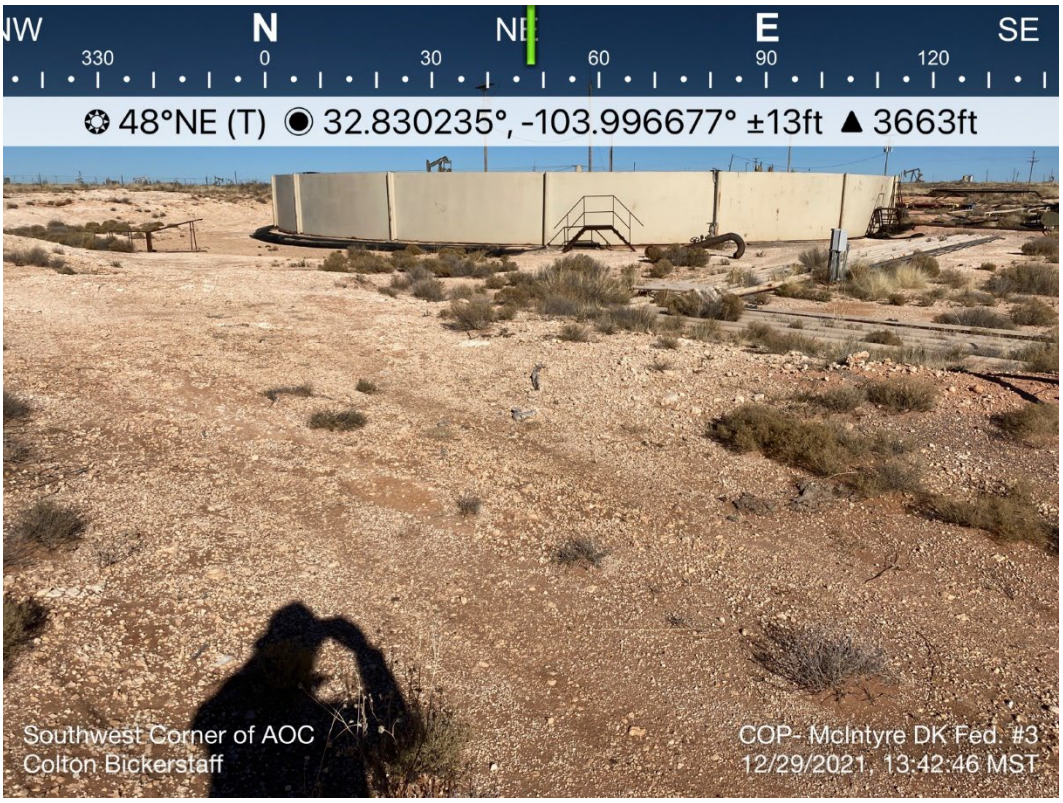
Checklist completed by: Brianna Teel Date: 03/22/2019

Brianna Teel

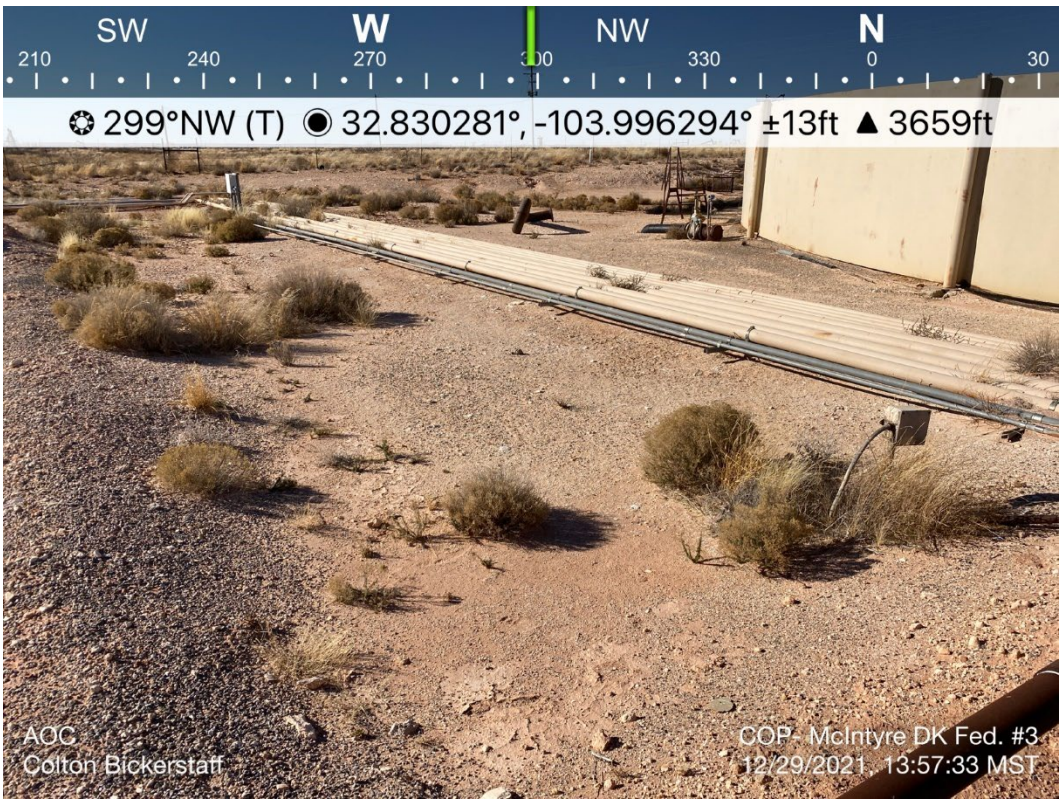
Checklist reviewed by: Jessica Kramer Date: 03/22/2019

Jessica Kramer

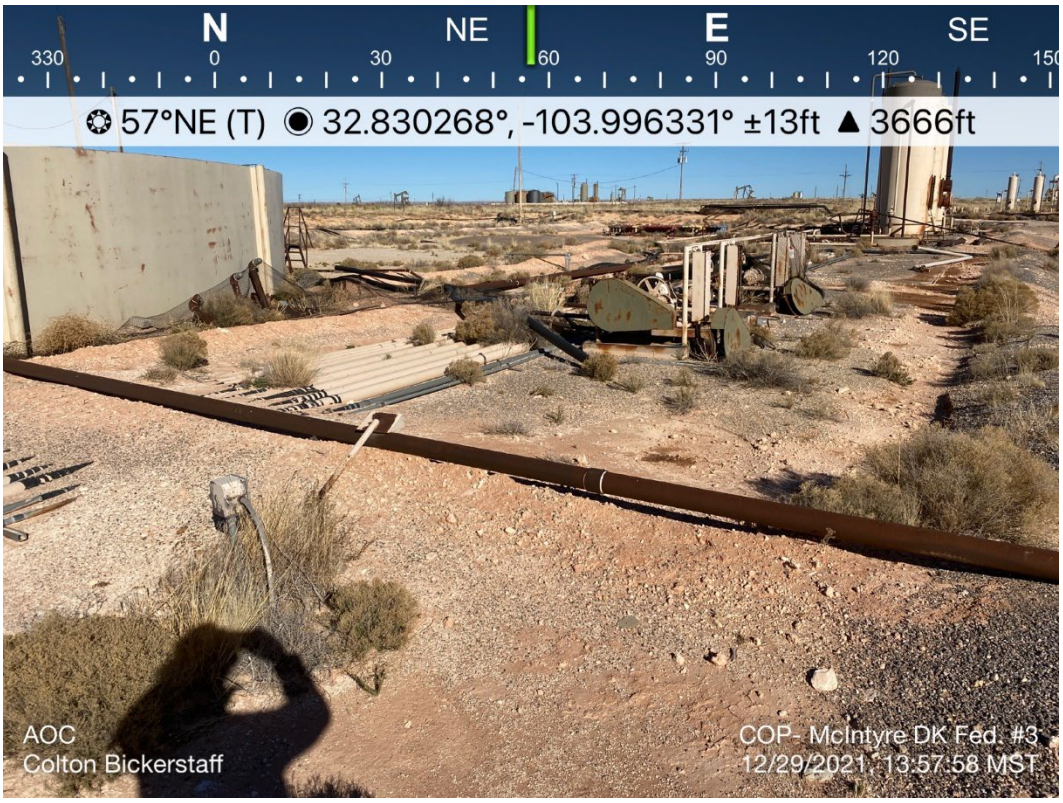
APPENDIX F
Photographic Documentation



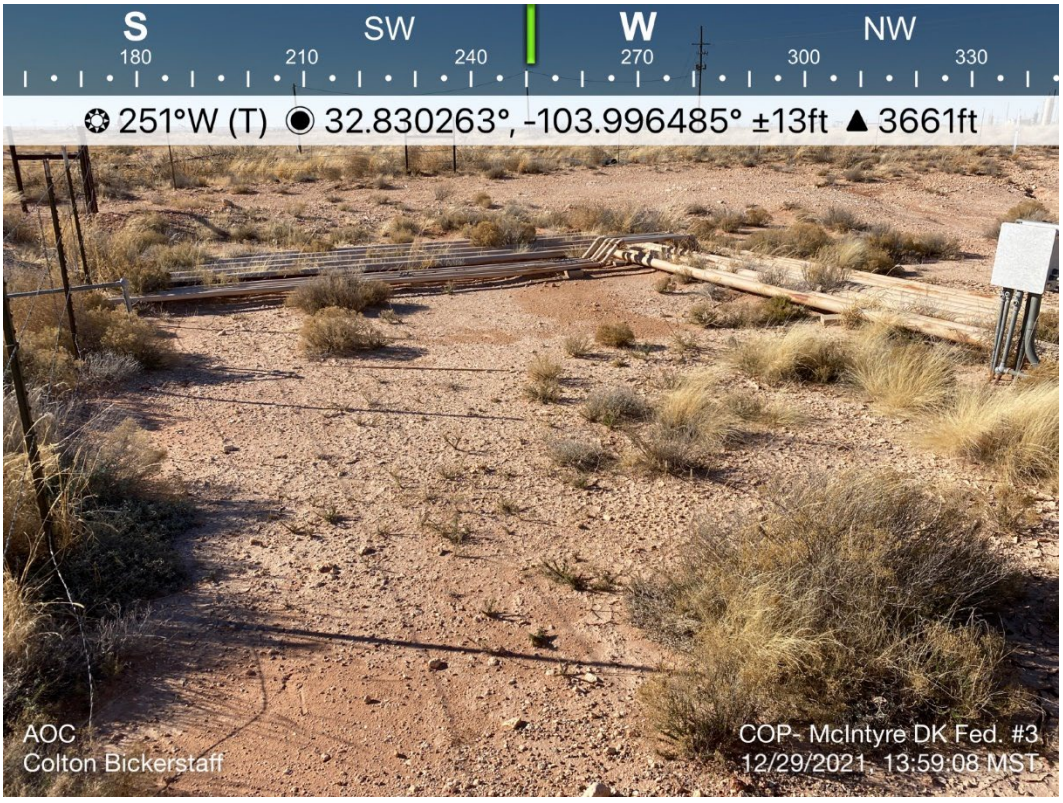
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View northeast. Southwest corner of visually assessed area.	1
	SITE NAME	McIntyre DK Federal 3	12/29/2021



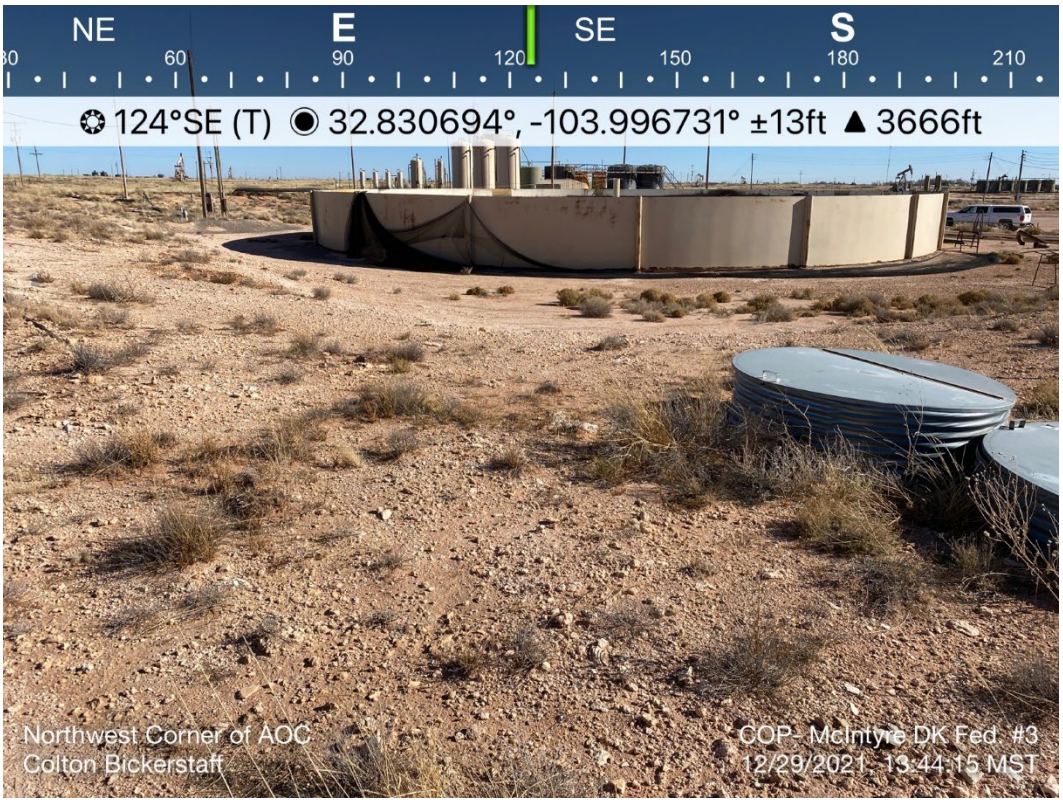
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View west northwest. Southwest portion of visually assessed area, south side of tank.	2
	SITE NAME	McIntyre DK Federal 3	12/29/2021



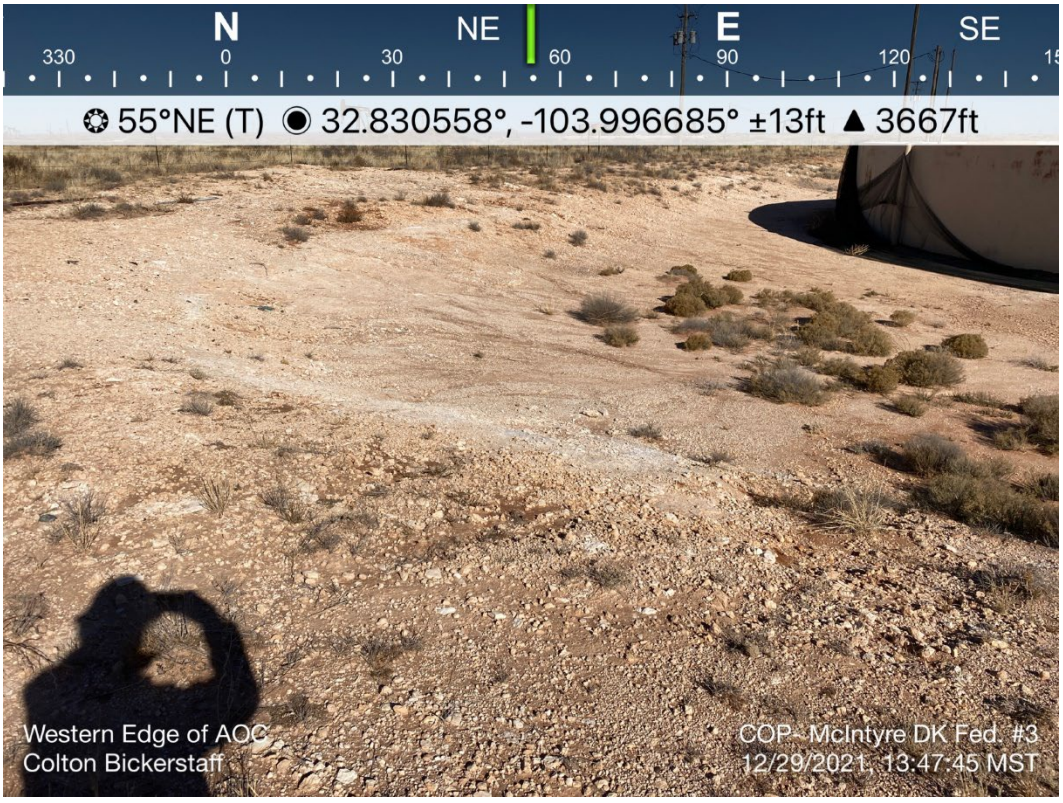
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View northeast. South side of tank.	3
	SITE NAME	McIntyre DK Federal 3	12/29/2021



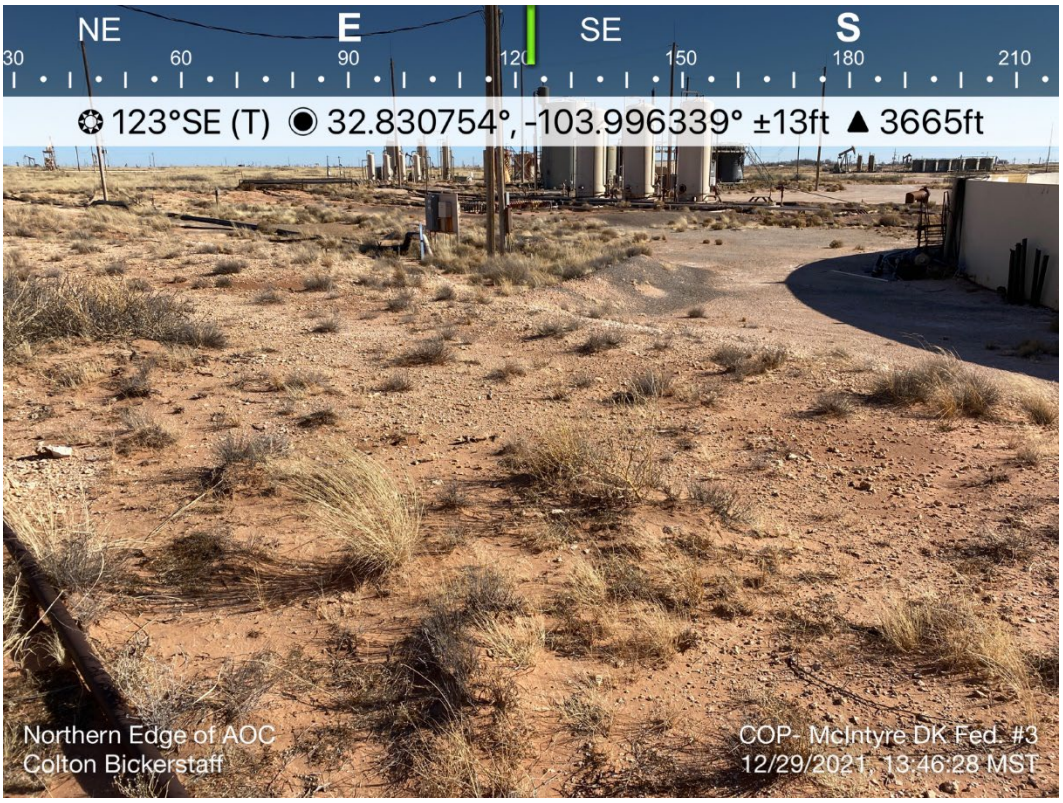
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View west southwest. Southwest portion of visually assessed area, south-southwest of tank.	4
	SITE NAME	McIntyre DK Federal 3	12/29/2021



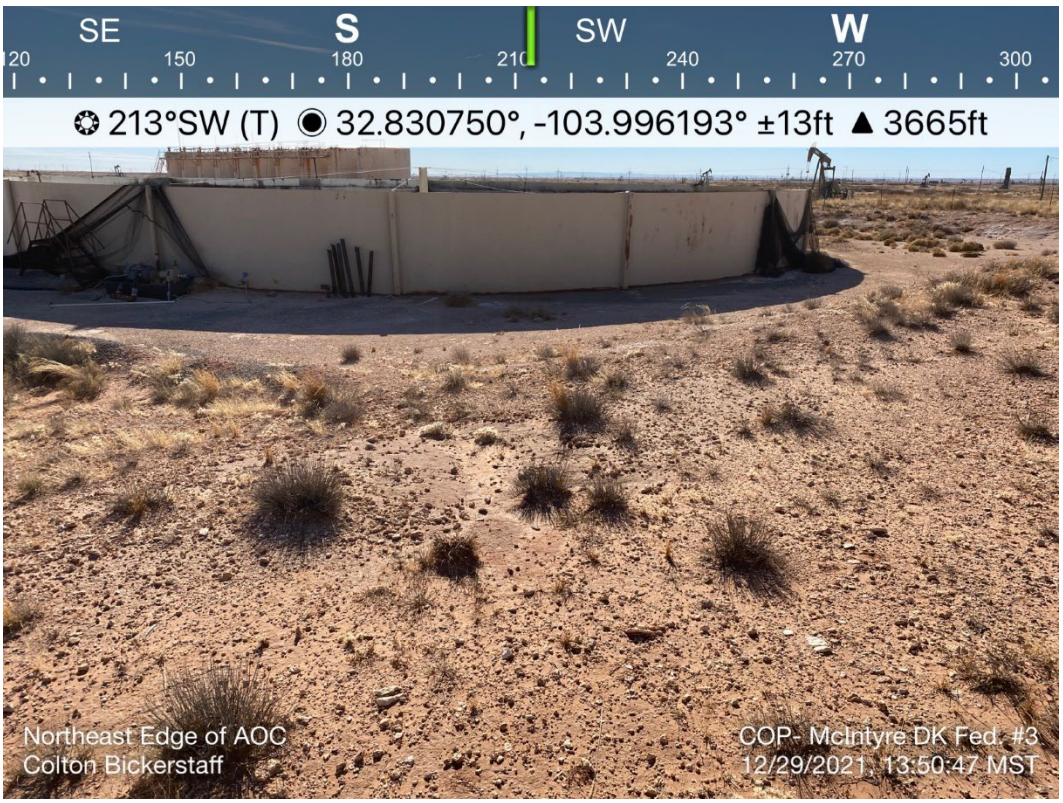
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View southeast. Northwest portion of visually assessed area, northwest of tank.	5
	SITE NAME	McIntyre DK Federal 3	12/29/2021



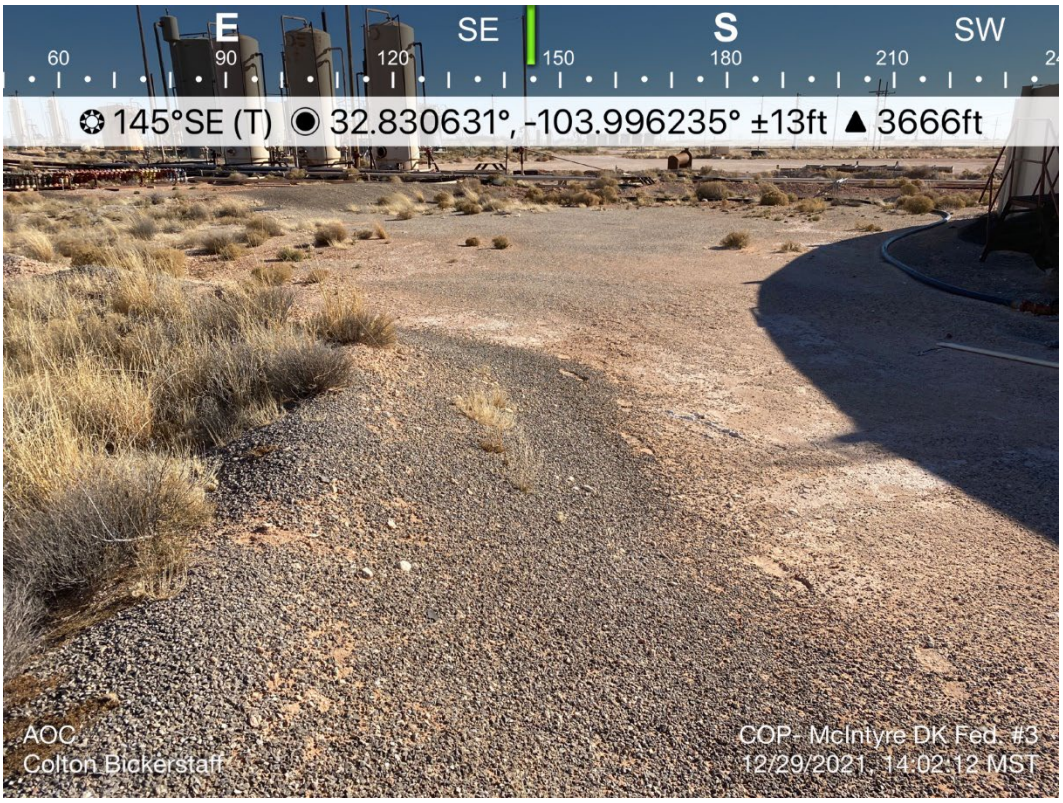
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View northeast. Northwest portion of visually assessed area, northwest of tank.	6
	SITE NAME	McIntyre DK Federal 3	12/29/2021



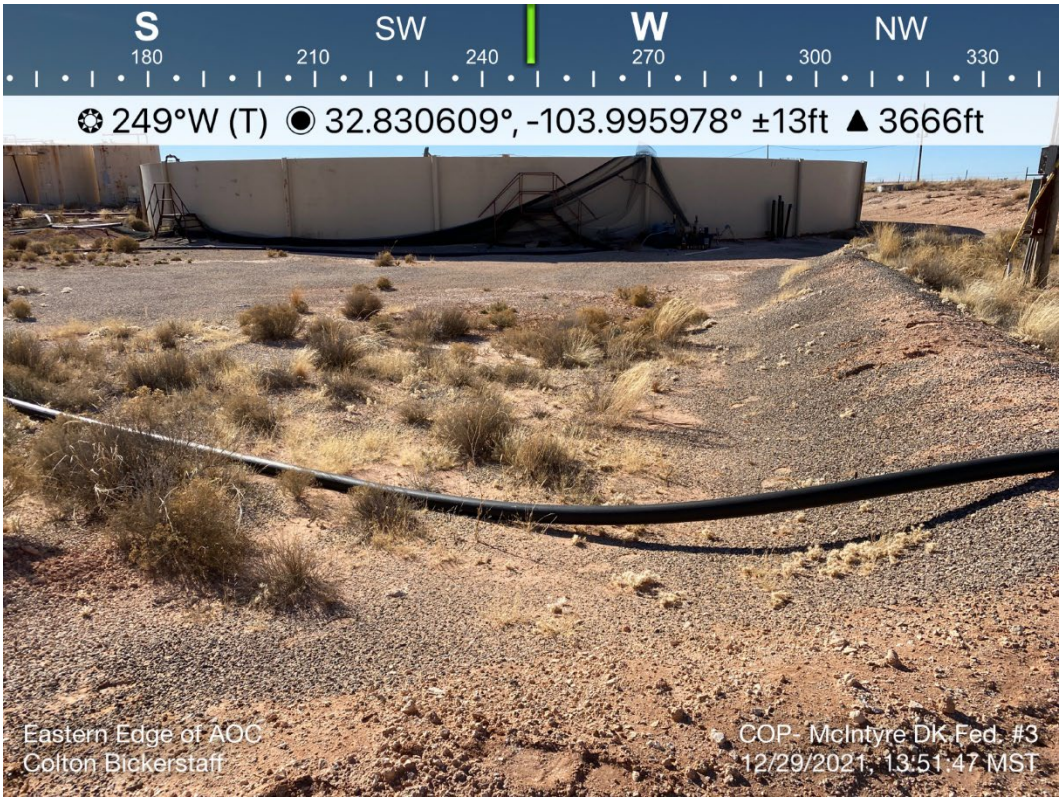
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View east-southeast. Northeast portion of visually assessed area, north of tank.	7
	SITE NAME	McIntyre DK Federal 3	12/29/2021



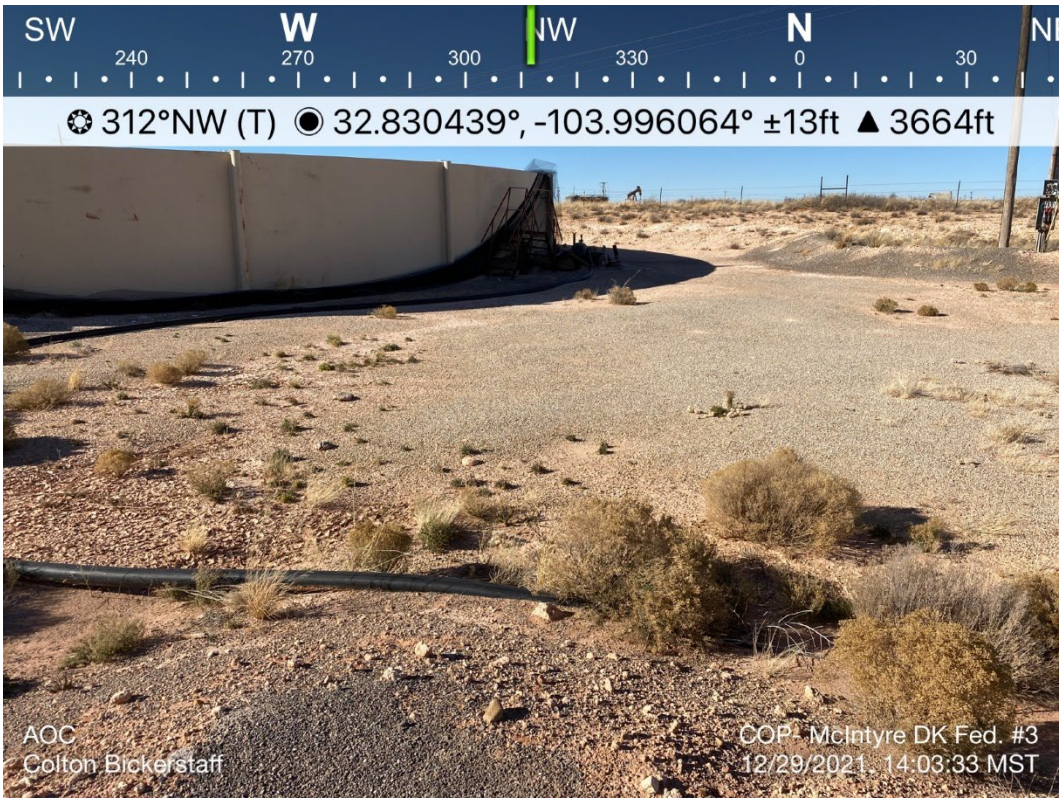
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View south-southwest. Northeast portion of visually assessed area, northeast of tank.	8
	SITE NAME	McIntyre DK Federal 3	12/29/2021



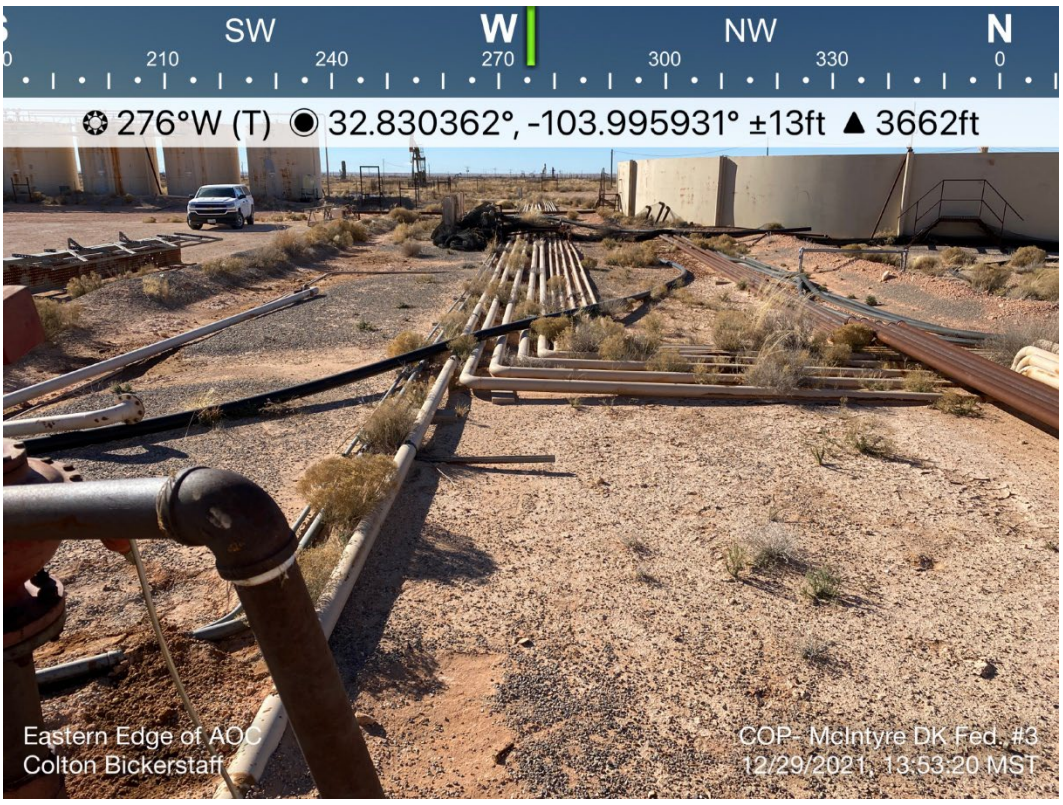
TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View southeast. Eastern portion of visually assessed area, east of tank.	9
	SITE NAME	McIntyre DK Federal 3	12/29/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View west-southwest. Eastern portion of visually assessed area, east of tank.	10
	SITE NAME	McIntyre DK Federal 3	12/29/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View northwest. East-southeast of tank.	11
	SITE NAME	McIntyre DK Federal 3	12/29/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02620	DESCRIPTION	View west. Southeast of tank.	12
	SITE NAME	McIntyre DK Federal 3	12/29/2021

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 76985

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 76985
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	Incident is Closed. Section 13 will come in at decommission.	3/7/2022