TETRA TECH

January 13, 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
GJ West Coop Trunkline Releases
Unit Letter B, Section 28, Township 17 South, Range 29 East
Eddy County, New Mexico
Incident ID# NJMW1228433415

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess two Heritage Concho releases and subsequent remedial actions taken at the GJ West Coop Trunkline (Associated API Nos. 30-015-25492 and 30-015-03163). The release footprints are located in Public Land Survey System (PLSS) Unit Letter B, Section 28, Township 17 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point for both incidents occurred at coordinates 32.811750°, -104.077340°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) the C-141 Initial Report, the first release at the GJ West Coop trunkline was discovered on September 1, 2012. A second release was discovered in the same vicinity on September 20, 2012, according to the second C-141 Initial Report. The C-141s for both the September 1 and September 20 releases report that the cause was due to a hole developed from corrosion of the line in the GJ West Coop Unit #74 and #125 trunkline. During the first release, approximately 22 barrels (bbls) of produced water escaped, of which approximately 20 bbls of produced water were reported recovered. During the second release, approximately 8 barrels (bbls) of produced water were escaped, of which 5 bbl of oil were reported recovered.

The NMOCD approved both initial C-141s, the first on October 10, 2012 and the second on October 25, 2012. The releases were given the Incident IDs NJMW1228433415 and NJMW1228952965 for the September 1 and September 20, 2012 releases, respectively. The initial C-141 forms are included in Appendix A.

SITE CHARACTERIZATION

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

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

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 0.93 miles (1,500 meters) of the site, the depth to groundwater is 76 feet below ground surface (bgs). The site characterization data are presented in Appendix B.

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 each release, a temporary clamp was installed on the trunkline and all recoverable fluids were picked up with a vacuum truck. According to information provided by Heritage Concho, the September 1 and September 20 releases occurred from a location on the trunkline that coincided with six (6) incidents that occurred between May 2010 and October 2012 in an area of pasture between the GJ West Coop Unit #194 (API No. 30-015-36285) and the GJ West Coop Unit #170 (API No. 30-015-35777). This information is supported by the location information provided in the initial C-141s for both September 2012 release incidents. A Closure Report dated December 11, 2014 was prepared by Tetra Tech on behalf of Concho for the six (6) releases, detailing the site assessment and remediation actions taken. The September 1 and 20, 2012 releases were inadvertently omitted from this report.

The release area was initially assessed by Tetra Tech on May 24, 2010 and then again on December 6, 2010. Based on the results of the assessment and directives from NMOCD, Tetra Tech supervised remediation activities at the overlapping release site on October 28, 2014. As proposed in a previously approved work plan, a portion of the release extent was excavated to a depth of approximately 3-4 feet bgs and capped with a 40-mil plastic liner. Due to safety concerns, the remainder of the release extent could not be excavated due to multiple surface lines in the area.

Following excavation activities and the placement of the liner, the area was backfilled with clean material to grade. Approximately 2,300 cubic yards of material were hauled offside for appropriate disposal. The remaining impacted soil was deferred due to access and safety issues.

The Closure Report was approved by NMOCD in March 2015 and closure granted for the six (6) releases referenced in the report:

- NKMW1107641950 / 2RP-647 (Release date: 5/6/2010)
- NMLB1030938472 / 2RP-462 (Release date: 9/17/2010)
- nMLB1210949851 / 2RP-1097 (Release date: 3/28/2012)
- nJMW1217338587 / 2RP-1182 (Release date: 6/6/2012)
- nJMW1219552251 / 2RP-1227 (Release date: 7/9/2012)
- nJMW1231139384 / 2RP-1387 (Release date: 10/9/2012)

Approval for the six (6) releases listed above are on file with the NMOCD Permitting online system. A copy of the Closure Report, which includes detailed site diagrams, analytical data, and photographic documentation of the excavation and liner prior to backfilling, is included as Appendix C.

VISUAL SITE INSPECTION SUMMARY

Due to the lack of documentation regarding the September 1 and 20, 2012 releases, Tetra Tech conducted a Visual Site Inspection of the remediated release site on December 23, 2021 to assess current conditions. Since the exact release extents of the September 2012 releases are unknown, the boundaries of the entire release areas indicated in the Closure Report in Appendix C were inspected for stained soils and vegetative growth, as shown on Figure 3.

During the inspection, potential evidence of soils with minor staining were observed in areas that correspond to areas that were approved for deferral in the December 11, 2014 Closure Report. Established vegetation was observed throughout the majority of the inspection area. Photographic documentation of the Visual Site Inspection is included as Appendix D.

CONCLUSION

Based on the results of the visual site inspection, in conjunction with the review of the previously-approved Closure Report for six (6) additional release incidents in the former release area, ConocoPhillips respectfully requests closure for the two September 2012 releases addressed in this report. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning this request, please call me at (512) 739-7874.

Sincerely,
Tetra Tech, Inc.

Samantha K. Abbott, P.G.
Project Manager

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

LIST OF ATTACHMENTS

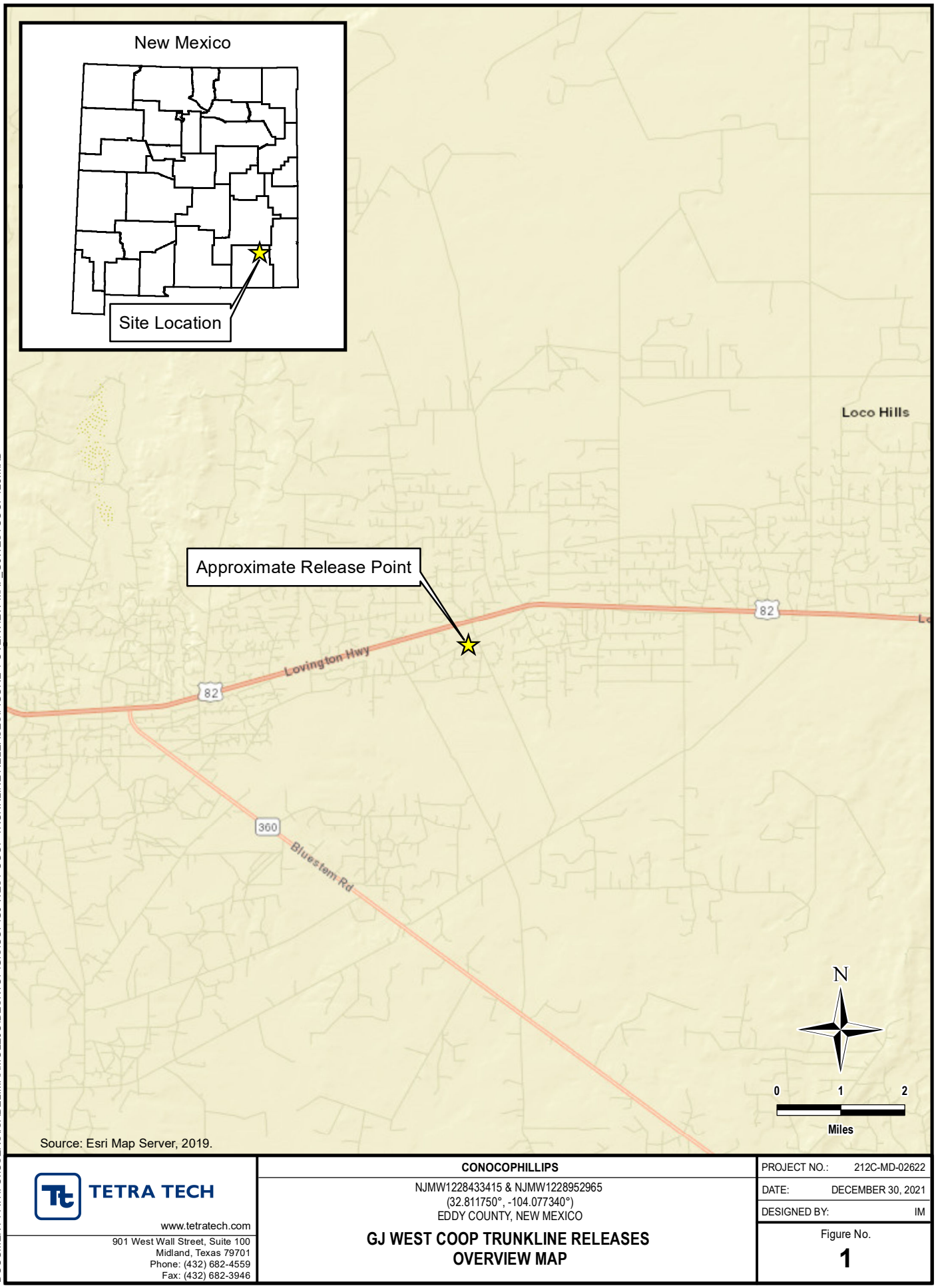
Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Visual Inspection Area

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Closure Report (December 11, 2014)
Appendix D – Photographic Documentation

FIGURES



DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\GJ WEST COOP TRUNKLINE RELEASES\FIGURE 1 OVERVIEW MAP_GJWESTCOOP125.MXD

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

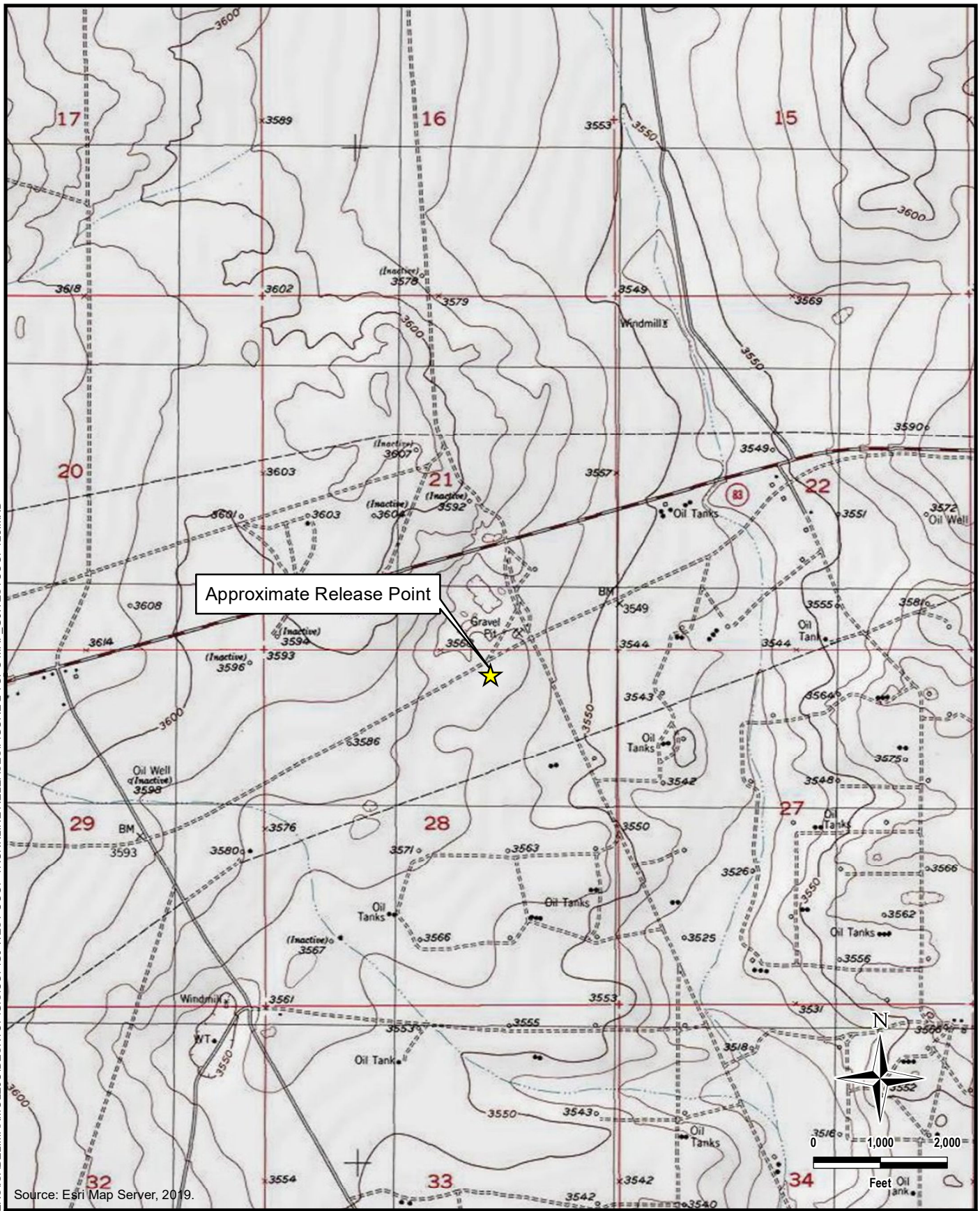
CONOCOPHILLIPS

NJMW1228433415 & NJMW1228952965
(32.811750°, -104.077340°)
EDDY COUNTY, NEW MEXICO

GJ WEST COOP TRUNKLINE RELEASES
OVERVIEW MAP

PROJECT NO.:	212C-MD-02622
DATE:	DECEMBER 30, 2021
DESIGNED BY:	IM

Figure No.
1



Source: Esri Map Server, 2019.

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\GJ WEST COOP TRUNKLINE RELEASES\FIGURE 2 TOPO MAP_GJWESTCOOP125.MXD

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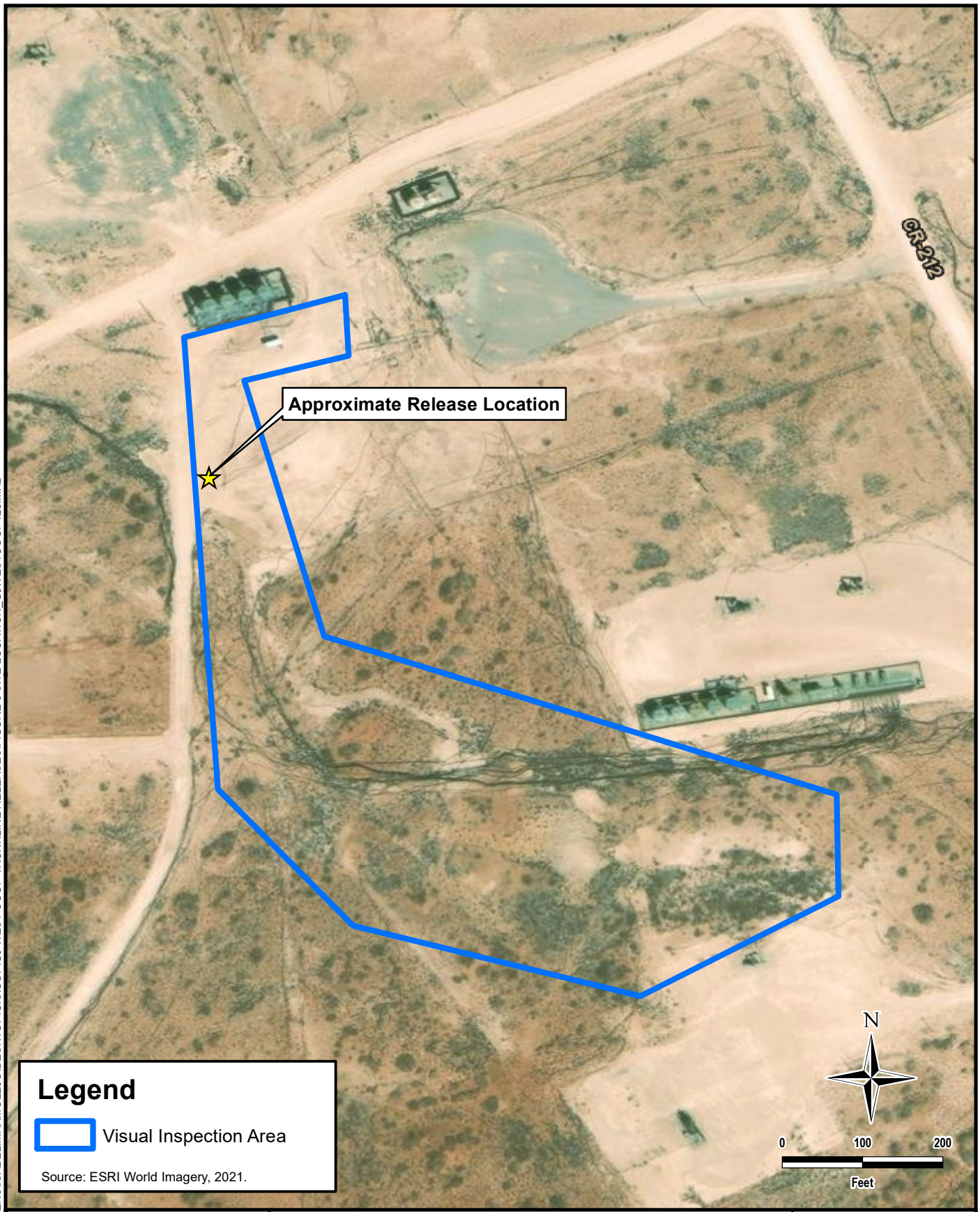
CONOCOPHILLIPS

NJMW1228433415 & NJMW1228952965
(32.811750°, -104.077340°)
EDDY COUNTY, NEW MEXICO

GJ WEST COOP TRUNKLINE RELEASES
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02622
DATE:	DECEMBER 30, 2021
DESIGNED BY:	IM

Figure No.
2



DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COP\GJ WEST COOP TRUNKLINE RELEASES\FIGURE 3 SITE LOCATION_GJWESTCOOP125.MXD

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CONOCOPHILLIPS

NJMW1228433415 & NJMW1228952965
(32.811750°, -104.077340°)
EDDY COUNTY, NEW MEXICO

GJ WEST COOP TRUNKLINE RELEASES
VISUAL INSPECTION AREA

PROJECT NO.:	212C-MD-02622
DATE:	DECEMBER 30, 2021
DESIGNED BY:	IM

Figure No.
3

APPENDIX A
C-141 Forms

RECEIVED
SEP 13 2012
NMOCD ARTESIA

District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

nJMW1228433415

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC 229137	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ West Coop Trunkline	Facility Type	Trunkline

Surface Owner State	Mineral Owner	Lease No. (API#) 30-015-25492 Wells tied into trunkline 30-015-03163 *

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude 32 48.512 **Longitude** 104 04.600

NATURE OF RELEASE

Type of Release Produced water w/ skim oil	Volume of Release 22bbls	Volume Recovered 20bbls
Source of Release Trunkline	Date and Hour of Occurrence 09/01/2012	Date and Hour of Discovery 09/01/2012 5:30 p m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Corrosion caused a hole to develop in our GJ West Coop Unit #74 and 125 trunkline. A temporary clamp has been added to this trunkline until we are able to replace it.

Describe Area Affected and Cleanup Action Taken *

Initially 22bbls were released from the corroded trunkline and we were able to recover 20bbls with a vacuum truck. A temporary clamp has been added to this trunkline until we are able to replace it. Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor: Signed By Mike Bratcher
Title: HSE Coordinator	Approval Date: OCT 10 2012 Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: Attached ☐
Date: 09/13/2012 Phone: 432-212-2399	

* Attach Additional Sheets If Necessary

IRP-1307

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** November 10, 2012

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: Bradford Billings Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

OCD Waterbodies

11/30/2021, 11:38:50 AM

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:9,028

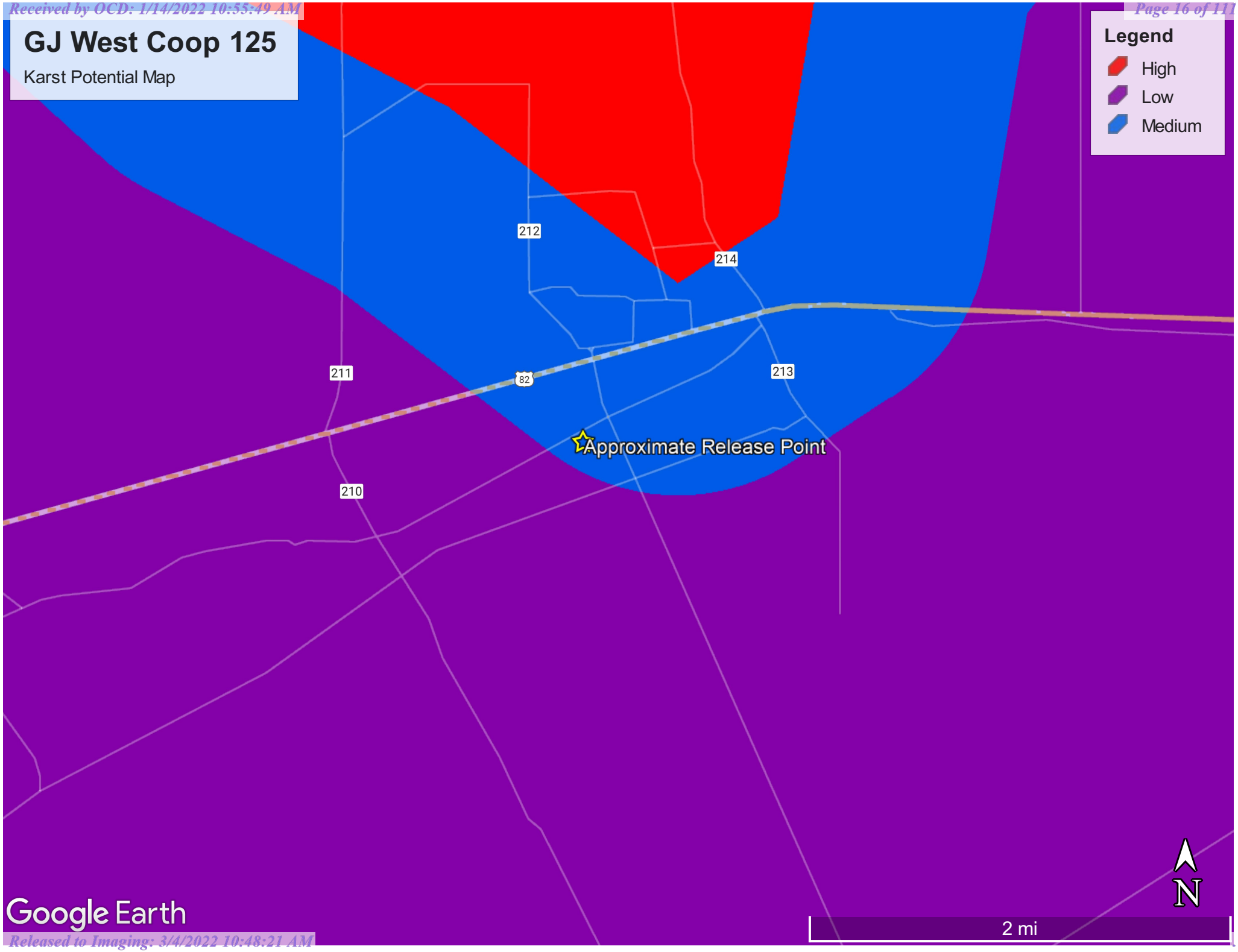
0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

Esri, HERE, Garmin, iPC, Maxar

GJ West Coop 125

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 11807 POD1	RA	ED	1	2	3	22	17S	29E	587360	3631585	1262	131	76	55

Average Depth to Water: **76 feet**

Minimum Depth: **76 feet**

Maximum Depth: **76 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 586375.18 **Northing (Y):** 3630794.73 **Radius:** 1500

APPENDIX C
Closure Report
(December 11, 2014)

SITE INFORMATION

Report Type: Closure Report

General Site Information:						
Site:	GJ West Coop SWD					
Company:	COG Operating LLC					
Section, Township and Range	Unit B	Sec 23	T17S	R29E		
Lease Number:						
County:	Eddy County					
GPS:	32.81175° N			104.07734° W		
Surface Owner:	State					
Mineral Owner:						
Directions:	From the intersection of CR 219 and Hwy 82, travel 5.5 miles down Hwy 82, turn left on CR 212 and travel 0.2 miles, turn right and travel 0.1 miles to site.					

Release Data:	Spill One	Spill Two	Spill Three
Date Released:	5/6/2010	9/17/2010	3/28/2012
Type Release:	Produced Water	Produced Water	Produced Water
Source of Contamination:	Transfrer Pump	Injection Line	Manifold Coupling
Fluid Released:	100 bbls	100 bbls	50 bbls
Fluids Recovered:	10 bbls	50 bbls	25 bbls

Release Data:	Spill Four	Spill Five	Spill Six
Date Released:	6/6/2012	7/9/2012	10/9/2012
Type Release:	Produced Water	Produced Water	Produced Water
Source of Contamination:	Hole in Casing	Trunkline	Steel Line
Fluid Released:	15 bbls	10 bbls	7 bbls
Fluids Recovered:	12 bbls	2 bbls	5 bbls

Official Communication:			
Name:	Robert McNeil		Ike Tavarez
Company:	COG Operating, LLC		Tetra Tech
Address:	One Concho Center		4000 N. Big Spring St
P.O. Box	600 W. Illinois Ave.		Ste 401
City:	Midland, Texas 79701		Midland, Texas 79705
Phone number:	(432) 686-3023		(432)687-8110
Fax:	(432) 684-7137		
Email:	rmcneil@conchoresources.com		ike.tavarez@tetratech.com

Ranking Criteria		
Depth to Groundwater:	Ranking Scor	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	0
WellHead Protection:	Ranking Scor	Site Data
Water Source <1,000 ft., Private <200 ft.	20	
Water Source >1,000 ft., Private >200 ft.	0	0
Surface Body of Water:	Ranking Scor	Site Data
<200 ft.	20	
200 ft - 1,000 ft.	10	
>1,000 ft.	0	0
Total Ranking Score:	0	

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5,000

TETRA TECH

December 11, 2014

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Re: Closure Request for the COG Operating LLC., GJ West Coop, Unit B, Section 28, Township 17 South, Range 29 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the GJ West Coop located in Unit B, Section 28, Township 17 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.81169°, W 104.07727°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Reports, COG had six (6) produced water spills in the same area between May 2010 and October 2012. The spills are summarized below. All of the initial C-141 forms are enclosed in Appendix A.

Spill 1

The first release was discovered on May 6, 2010, and released approximately one hundred (100) barrels of produced water from a transfer pump. To alleviate the problem, COG personnel repaired the transfer pump. Ten (10) barrels of standing fluids were recovered. The spill initiated on the pad and traveled south parallel to the lease road for 230' by 25' wide.

Spill 2

The second release was discovered on September 17, 2010, and released approximately one hundred (100) barrels of produced water from the nipple on an injection line. To alleviate the problem, COG personnel replaced the old fittings with

Tetra Tech
1910 North Big Spring, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

new fittings. Fifty (50) barrels of standing fluids were recovered. The spill initiated on the pad and traveled south parallel to the lease road for 230' by 25' wide, it continued off the pad into the pasture for 610' by 30' which grew to 150' wide.

Spill 3

The third release was discovered on March 28, 2012 and released approximately fifty (50) bbls of produced water from a failed injection manifold coupling. To alleviate the problem the injection manifold was replaced. Twenty five (25) bbls of produced water were recovered. The spill traveled into the pasture and pooled in an area approximately 15' x 50' in size.

Spill 4

The fourth release was discovered on June 6, 2012 and released approximately fifteen (15) bbls of produced water from the casing, which developed a hole. To alleviate the problem a clamp was placed on the casing until it was repaired. Twelve (12) bbls of standing fluid were recovered.

Spill 5

The fifth release was discovered on July 9, 2012 and released approximately ten (10) bbls of produced water with some skim oil from a corroded trunk line. To alleviate the problem the steel flowline was replaced. Two (2) bbls of standing fluids were recovered.

Spill 6

The sixth release was discovered on October 9, 2012 and released approximately seven (7) bbls of produced water with some skim oil from a corroded steel line. To alleviate the problem a temporary clamp was installed on the line until it was replaced.

Groundwater

No water wells were listed within Section 21. According to the NMOCD groundwater map, the average depth to groundwater in this area is greater than 150' below surface. The groundwater information is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for

TETRA TECH

benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Analytical Results

Auger holes

On May 24, 2010, Tetra Tech personnel inspected and sampled the first spill area. A total of four (4) auger holes (AH-1 through AH-4) were installed using a stainless steel hand auger to assess the impacted soils. On September 4, 2010, Tetra Tech personnel inspected and sampled the second spill area. A total of six (6) auger holes (AH-1 through AH-6) were installed using a stainless steel hand auger to assess the impacted soils. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results are summarized in Table 1. The auger hole locations are shown on Figure 3.

All of the samples were below the RRAL's for BTEX and TPH, except for the area of AH-2, AH-4 and AH-6. Theses area showed shallow TPH impact above the RRAL, but were vertically defined. Elevated chloride concentrations were detected at AH-1 and AH-4 for the 1st spill and AH-1, AH-3 and AH-5 for the 2nd spill. In order to define extents, boreholes were installed to assess the impacted areas.

Boreholes

On December 6, 2010, Tetra Tech personnel were onsite to supervise the installation of the boreholes to evaluate the impacted areas and install bore holes. Utilizing an air rotary drilling rig, Tetra Tech personnel supervised and collected samples. A total of twelve (12) bore holes (BH-1 through BH-12) were installed. The borehole results are summarized in Table 1. Due to numerous surface flow lines in the area, the drilling rig did have access issue at some the impacted areas.

Referring to Table 1, borehole (BH-11) showed a decline of 15,600 mg/kg (10') to 2,230 mg/kg (20'). BH-10 showed a decline of 9,310 mg/kg (0-1') to 2,660 mg/kg at 25' and BH-7 showed a decline of 9,200 mg/kg to 4,580 mg/kg at 15'. Additionally, elevated chloride concentrations for BH-8 showed a significant decline from 10,800 mg/kg (20') to 3,490 mg/kg (25'), BH-6 showed a decline of 9,640 mg/kg (15') to 3,100 mg/kg at 20', BH-4 showed a decline of 11,800 mg/kg (15') to 3,000 at 25', BH-3 showed a decline of 8,340 (7') mg/kg to 3,510 mg/kg..

TETRA TECH

Onsite Meeting

On May 16, 2014, COG and Tetra Tech met with Mike Bratcher with the NMOCD onsite to discuss the spills and access issues at the site. Multiple releases had occurred at the site that migrated and overlapped south into the pasture where the area is congested with multiple surface flow lines.

As discussed in the field, proper excavation cannot be completed at the site due to all the surface flow lines in the area. Due to safety concerns, COG recommended deferring the spill area. However, Mr. Bratcher stated that some excavation would be required in the areas of AH-4, AH-5 and AH-6 that are somewhat accessible and the additional areas with some hydrocarbon staining could be worked in-situ. The remaining impacted areas not accessible would then be deferred.

Site Remediation

In October 28, 2014, Tetra Tech supervised the removal of impacted soil. As proposed in the work plan, the excavated areas are as highlighted (green) in Table 1 and shown on Figure 4. Due to the limited area and access issues, the areas of AH-4 and AH-5 were excavated to a depth of approximately 3.0' to 4.0' below surface and capped with a 40 mil plastic liner. Due to safety concerns, the area of AH-6, southeast of the SWD, could be excavated due to the multiple surface lines in the area.

Once the areas were excavated to the appropriate depths, the excavation was lined and backfilled with clean soil. Approximately 2,300 cubic yards of material was hauled to proper disposal.

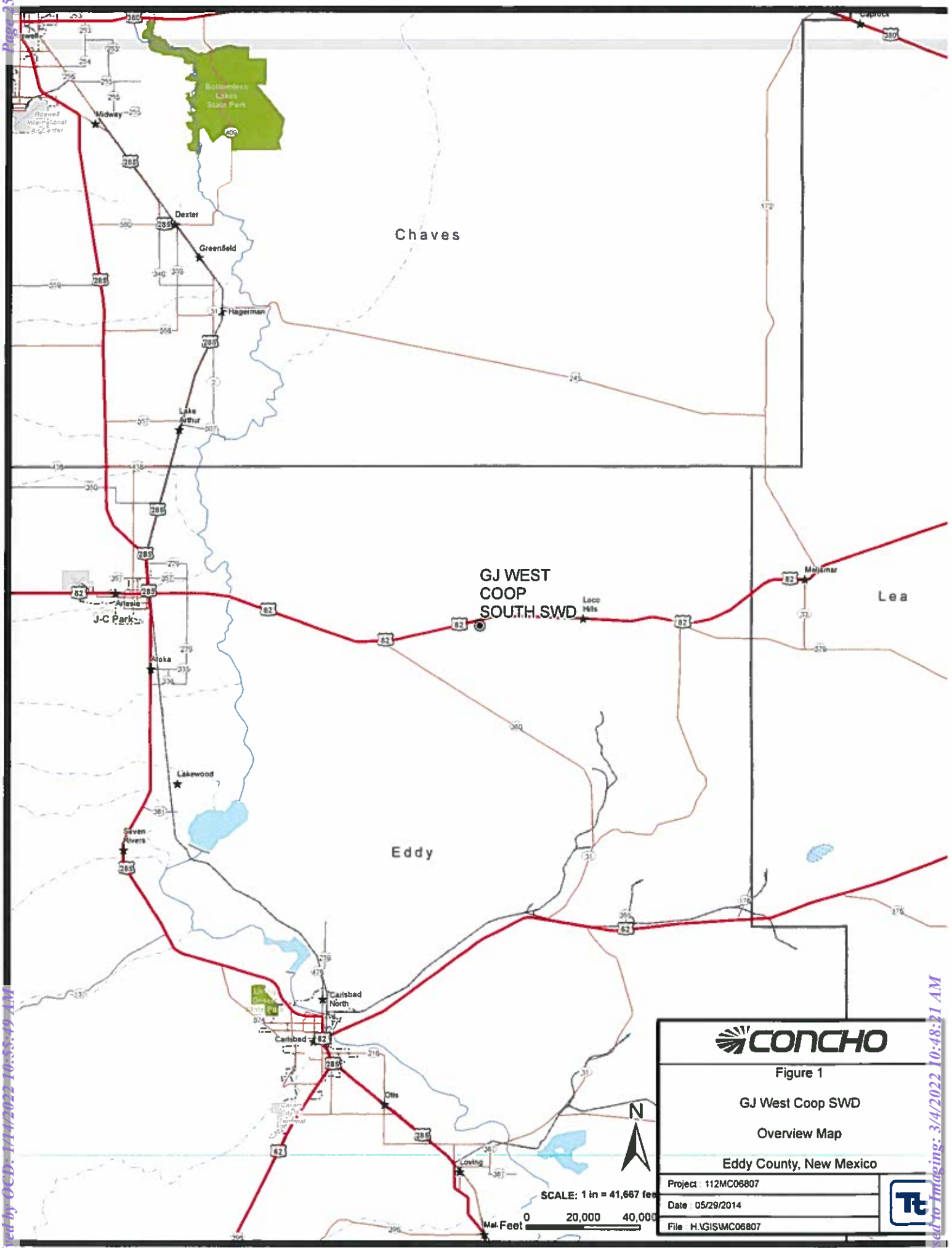
Based on the limited remediation performed, COG request closure of the site. The remaining impacted soil will be deferred due to the surface lines and limited access to the soil. A Final C-141's are included in Appendix A. If you have any questions or comments concerning the assessment or the remediation activities for this site, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez, PG
Senior Project Manager

cc: Robert McNeil – COG

FIGURES



CONCHO

Figure 1

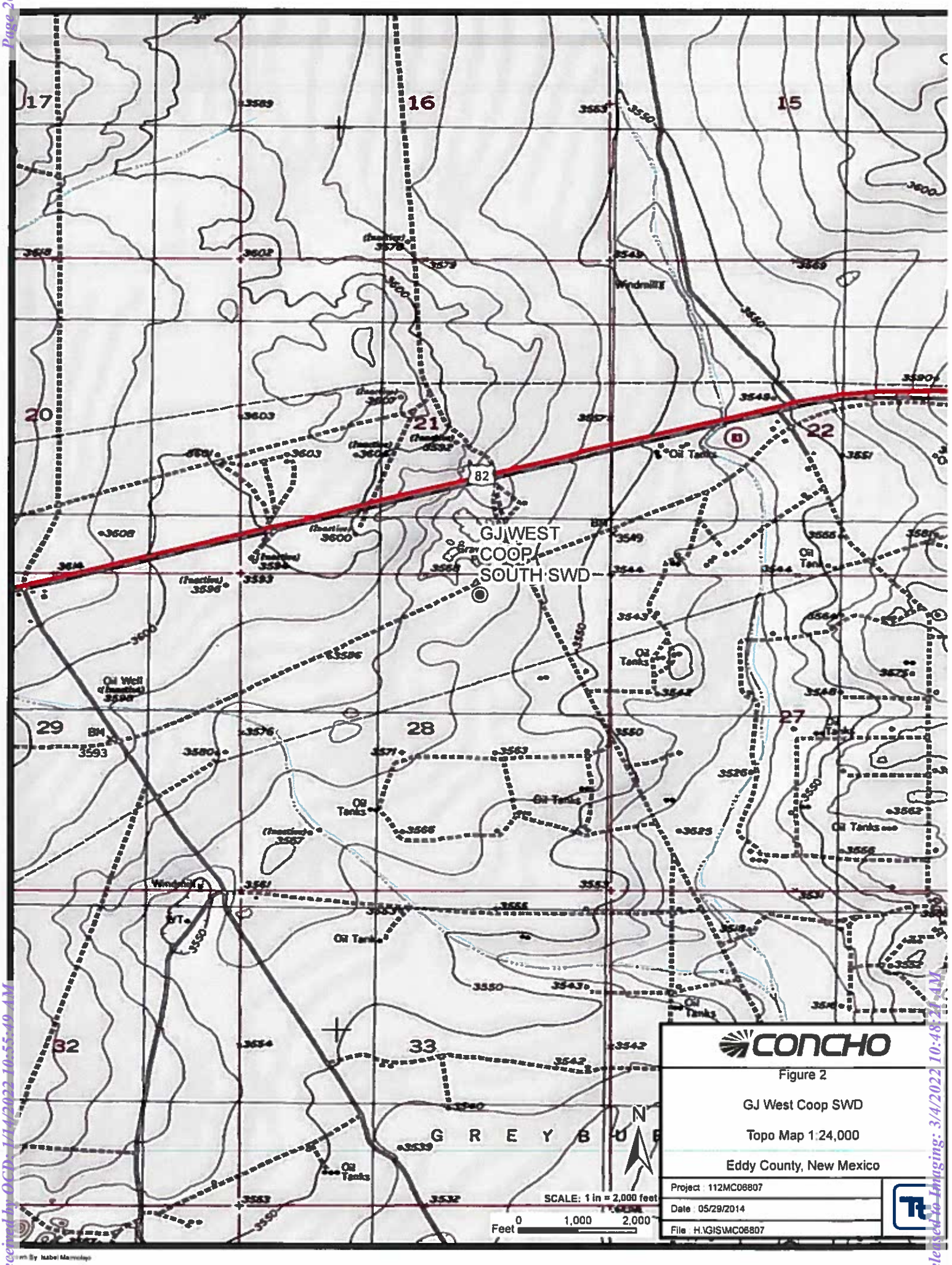
GJ West Coop SWD

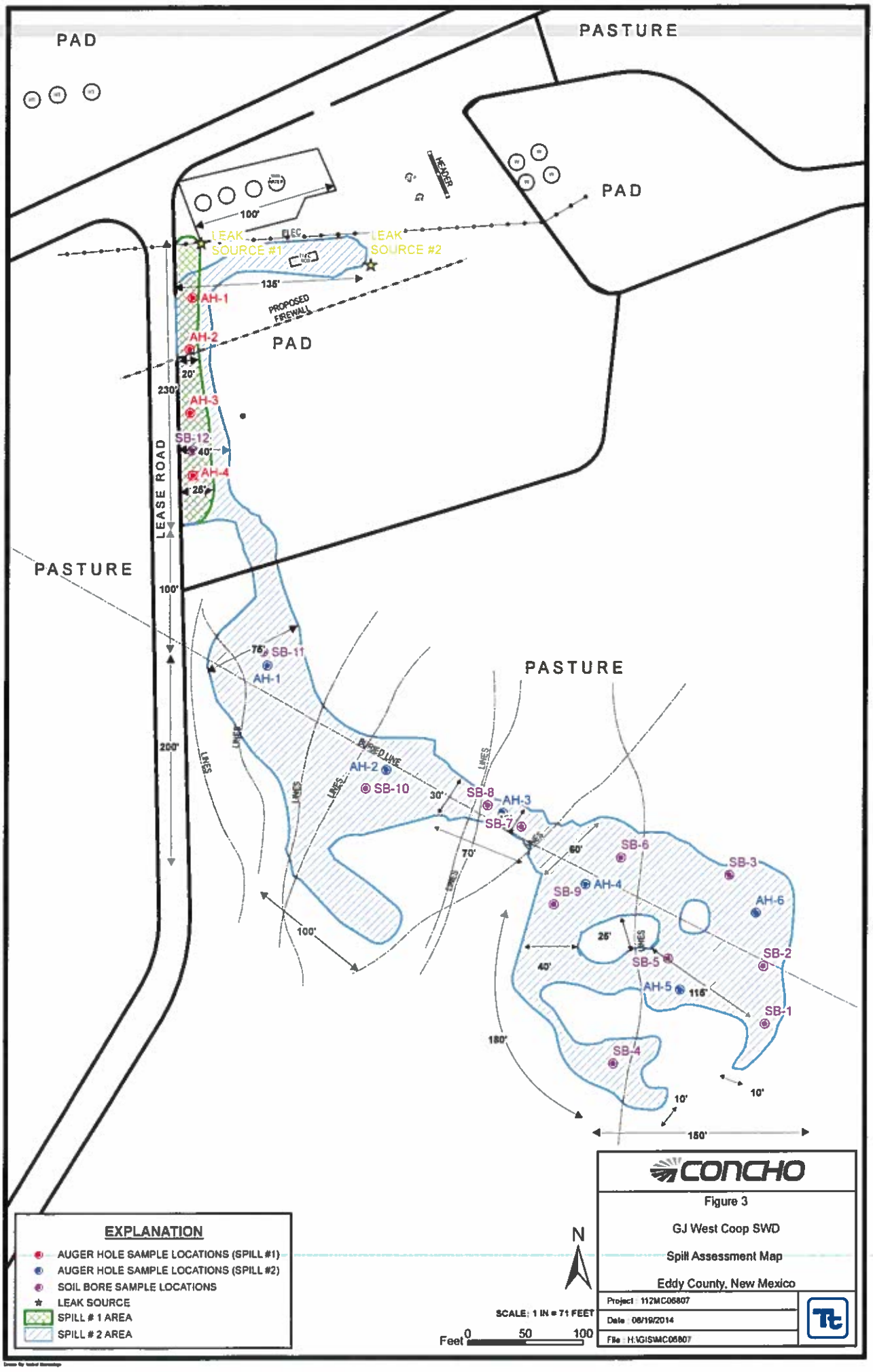
Overview Map

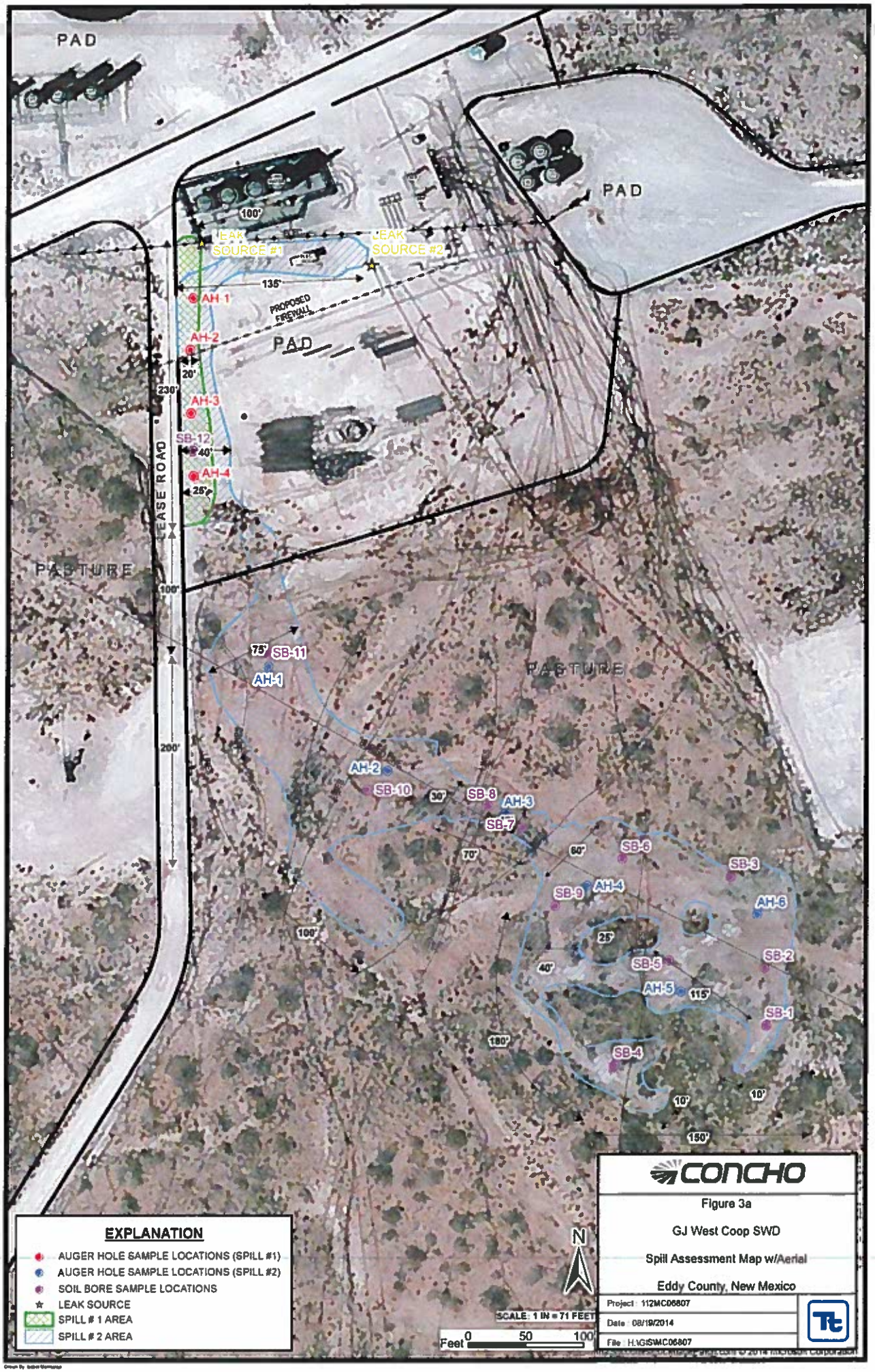
Eddy County, New Mexico

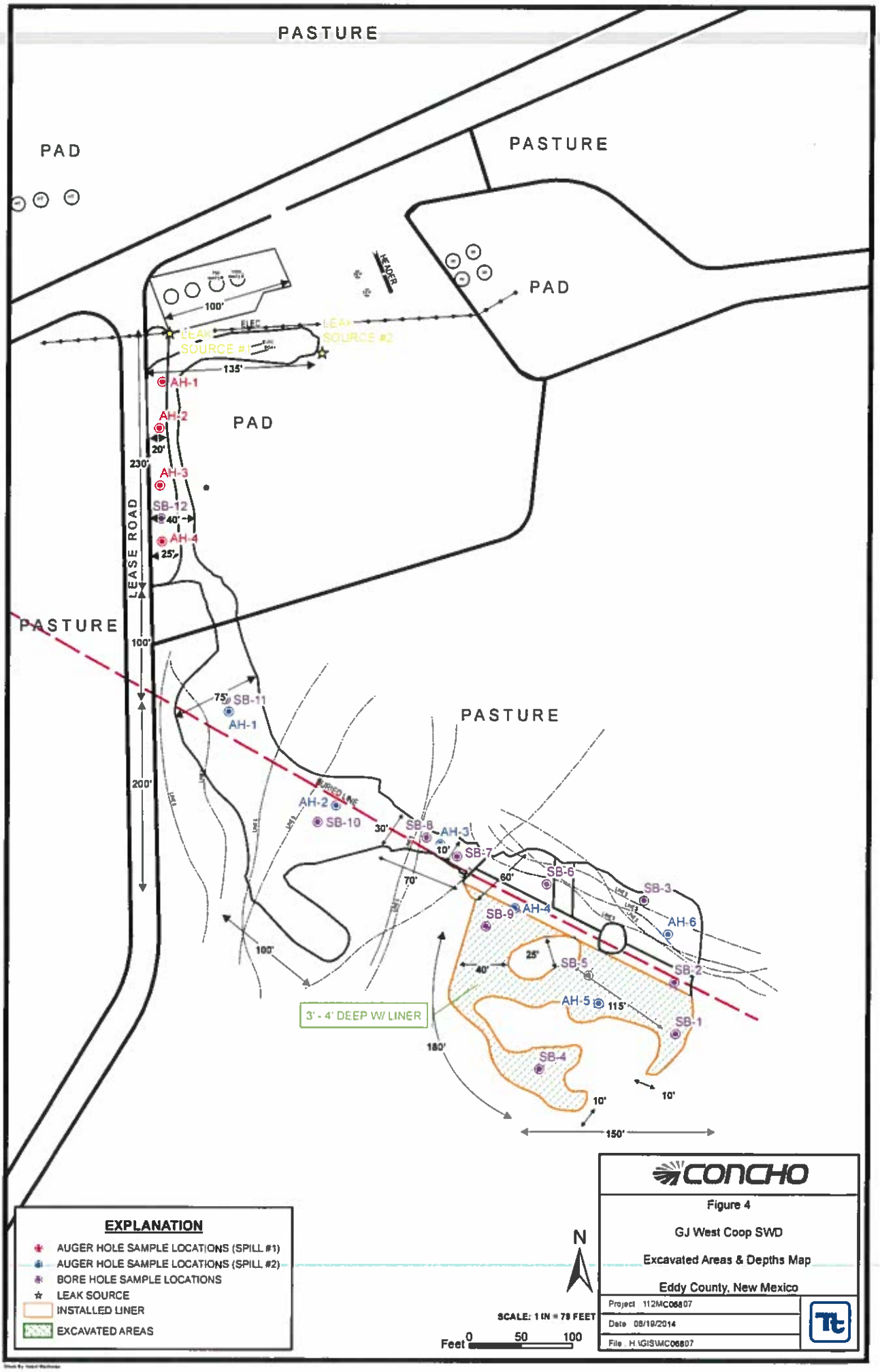
Project	112MC06807
Date	05/29/2014
File	H:\GIS\MC06807

Drawn By: Isabel Marmolejo









PHOTOGRAPHS

COG Operating LLC
GJ West Coop
Eddy County, New Mexico

TETRA TECH

View West – Along COG buried water line at SB-1 and SB- 5

View North– Area of SB-9

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View South – SB-9 and SB-4

View North West – SB-4

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View North – Backfill area of SB-1 and SB-5

View West – Backfill area of AH-5 and SB-5

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View West – Backfilled area of SB-1 and SB-5

View South– Backfilled area of SB-9 and SB-4

TABLES

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	5/24/2010	0-1'		X		<1.00	<50.0	<50.0	-	-	-	-	7,520
1st Spill		1-1.5'		X		-	-	-	-	-	-	-	2,950
		2-2.5'		X		-	-	-	-	-	-	-	4,830
		3-3.5'		X		-	-	-	-	-	-	-	5,670
		4-4.5'		X		-	-	-	-	-	-	-	5,290
		5-5.5'		X		-	-	-	-	-	-	-	5,560
		6-6.5'		X		-	-	-	-	-	-	-	6,040
		7-7.5'		X		-	-	-	-	-	-	-	6,410
		8-8.5'		X		-	-	-	-	-	-	-	6,000
		9-9.5'		X		-	-	-	-	-	-	-	6,300
AH-2	5/24/2010	0-1'		X		17.20	77.30	94.50	-	-	-	-	11,100
1st Spill		1-1.5'		X		-	-	-	-	-	-	-	11,000
		2-2.5'		X		-	-	-	-	-	-	-	3,220
		3-3.5'		X		-	-	-	-	-	-	-	3,490
		4-4.5'		X		-	-	-	-	-	-	-	4,610
		5-5.5'		X		-	-	-	-	-	-	-	4,520
		6-6.5'		X		-	-	-	-	-	-	-	4,310
		7-7.5'		X		-	-	-	-	-	-	-	2,290
		8-8.5'		X		-	-	-	-	-	-	-	2,570
		9-9.5'		X		-	-	-	-	-	-	-	3,150
AH-3	5/24/2010	0-1'		X		5.93	66.00	71.93	-	-	-	-	18,300

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-4	5/24/2010	0-1'		X		<1.00	<50.0	<50.0	-	-	-	-	15,700
1st Spill		1-1.5'		X		-	-	-	-	-	-	-	4,250
		2-2.5'		X		-	-	-	-	-	-	-	5,250
		3-3.5'		X		-	-	-	-	-	-	-	5,990
		4-4.5'		X		-	-	-	-	-	-	-	8,990
		5-5.5'		X		-	-	-	-	-	-	-	8,240
		6-6.5'		X		-	-	-	-	-	-	-	7,470
		7-7.5'		X		-	-	-	-	-	-	-	6,750
		8-8.5'		X		-	-	-	-	-	-	-	5,170
		9-9.5'		X		-	-	-	-	-	-	-	4,850
SB-12	12/9/2010	0-1'		X		66.7	1,040	1,107	<0.100	<0.100	<0.100	<0.100	3,510
		3'		X		-	-	-	-	-	-	-	4,710
		5'		X		-	-	-	-	-	-	-	3,140
		7'		X		-	-	-	-	-	-	-	3,500
		10'		X		-	-	-	-	-	-	-	3,930
		15'		X		-	-	-	-	-	-	-	3,690
		20'		X		-	-	-	-	-	-	-	929
		25'		X		-	-	-	-	-	-	-	303
		30'		X		-	-	-	-	-	-	-	522

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	10/4/2010	0-1'		X		<1.00	<50.0	<50.0	-	-	-	-	5,280
2nd Spill		1-1.5'		X		-	-	-	-	-	-	-	3,820
		2-2.5'		X		-	-	-	-	-	-	-	3,940
		3-3.5'		X		-	-	-	-	-	-	-	4,860
SB-11	12/9/2010	0-1'		X		<2.00	<50.0	<50.0	-	-	-	-	366
		3'		X		-	-	-	-	-	-	-	292
		5'		X		-	-	-	-	-	-	-	1,610
		7'		X		-	-	-	-	-	-	-	8,650
		10'		X		-	-	-	-	-	-	-	15,600
		15'		X		-	-	-	-	-	-	-	5,800
		20'		X		-	-	-	-	-	-	-	2,230
		25'		X		-	-	-	-	-	-	-	909
		30'		X		-	-	-	-	-	-	-	949
		40'		X		-	-	-	-	-	-	-	860
		50'		X		-	-	-	-	-	-	-	1,050
		60'		X		-	-	-	-	-	-	-	711

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-2	10/4/2010	0-1'		X		104	6,410	6,514	<0.200	0.293	<0.200	0.612	4,040
2nd Spill		1-1.5'		X		<1.00	<50.0	<50.0	-	-	-	-	2,580
		2-2.5'		X		<1.00	96	96	-	-	-	-	1,160
		3-3.5'		X		-	-	-	-	-	-	-	1,370
		4-4.5'		X		-	-	-	-	-	-	-	1,000
		5-5.5'		X		-	-	-	-	-	-	-	913
		6-6.5'		X		-	-	-	-	-	-	-	977
		7-7.5'		X		-	-	-	-	-	-	-	1,120
		8-8.5'		X		-	-	-	-	-	-	-	2,100
		9-9.5'		X		-	-	-	-	-	-	-	3,810
SB-10	12/9/2010	0-1'		X		<20.0	2270	2,270	<0.200	<0.200	<0.200	<0.200	9,310
		3'		X		-	-	-	-	-	-	-	8,260
		5'		X		-	-	-	-	-	-	-	6,770
		7'		X		-	-	-	-	-	-	-	4,150
		10'		X		-	-	-	-	-	-	-	3,290
		15'		X		-	-	-	-	-	-	-	3,030
		20'		X		-	-	-	-	-	-	-	7,180
		25'		X		-	-	-	-	-	-	-	2,660
		30'		X		-	-	-	-	-	-	-	2,460
		40'		X		-	-	-	-	-	-	-	1,280
		50'		X		-	-	-	-	-	-	-	252
		60'		X		-	-	-	-	-	-	-	272

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-3	10/4/2010	0-1'		X		<1.00	88.10	88.10	-	-	-	-	279
2nd Spill		1-1.5'		X		-	-	-	-	-	-	-	<200
		2-2.5'		X		-	-	-	-	-	-	-	694
		3-3.5'		X		-	-	-	-	-	-	-	1,260
		4-4.5'		X		-	-	-	-	-	-	-	3,240
		5-5.5'		X		-	-	-	-	-	-	-	8,300
		6-6.5'		X		-	-	-	-	-	-	-	8,830
		7-7.5'		X		-	-	-	-	-	-	-	10,900
		8-8.5'		X		-	-	-	-	-	-	-	9,460
		9-9.5'		X		-	-	-	-	-	-	-	8,750
SB-7	12/8/2010	0-1'		X		560	1120	1,680	<0.400	<0.400	<0.400	2.2	6,360
(AH-3)		3'		X		-	-	-	-	-	-	-	3,140
		5'		X		-	-	-	-	-	-	-	2,590
		7'		X		-	-	-	-	-	-	-	7,810
		10'		X		-	-	-	-	-	-	-	9,200
		15'		X		-	-	-	-	-	-	-	4,580
		20'		X		-	-	-	-	-	-	-	4,410
		25'		X		-	-	-	-	-	-	-	1,060
		30'		X		-	-	-	-	-	-	-	271
		40'		X		-	-	-	-	-	-	-	<200
		50'		X		-	-	-	-	-	-	-	290
		60'		X		-	-	-	-	-	-	-	271

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-8	12/8/2010	0-1'		X		2.56	307	309.56	<0.0200	<0.0200	<0.0200	<0.0200	<200
(AH-3)		3'		X		-	-	-	-	-	-	-	261
		5'		X		-	-	-	-	-	-	-	7,640
		7'		X		-	-	-	-	-	-	-	4,820
		10'		X		-	-	-	-	-	-	-	3,180
		15'		X		-	-	-	-	-	-	-	9,800
		20'		X		-	-	-	-	-	-	-	10,800
		25'		X		-	-	-	-	-	-	-	3,490
		30'		X		-	-	-	-	-	-	-	3,180
		40'		X		-	-	-	-	-	-	-	2,680
		50'		X		-	-	-	-	-	-	-	2,210
AH-4	10/4/2010	0-1'			X	1,430	8,060	9,490	<0.200	1.78	4.87	12.7	6,710
2nd Spill		1-1.5'			X	590	<250	590	-	-	-	-	2,530
		2-2.5'			X	<1.00	151	151	-	-	-	-	2,040
		3-3.5'			X	-	-	-	-	-	-	-	1,790
		4-4.5'			X	-	-	-	-	-	-	-	1,720
		5-5.5'		X		-	-	-	-	-	-	-	2,690
		6-6.5'		X		-	-	-	-	-	-	-	4,290
		7-7.5'		X		-	-	-	-	-	-	-	4,030
		8-8.5'		X		-	-	-	-	-	-	-	3,980
		9-9.5'		X		-	-	-	-	-	-	-	3,430

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-6	12/7/2010	0-1'		X		<2.00	62.1	62.1	<0.0200	<0.0200	<0.0200	<0.0200	821
(AH-4)		3'		X		-	-	-	-	-	-	-	936
		5'		X		-	-	-	-	-	-	-	8,190
		7'		X		-	-	-	-	-	-	-	3,950
		10'		X		-	-	-	-	-	-	-	9,110
		15'		X		-	-	-	-	-	-	-	9,640
		20'		X		-	-	-	-	-	-	-	3,100
		25'		X		-	-	-	-	-	-	-	3,490
		30'		X		-	-	-	-	-	-	-	992
		40'		X		-	-	-	-	-	-	-	<200
		50'		X		-	-	-	-	-	-	-	<200
		60'		X		-	-	-	-	-	-	-	<200
		70'		X		-	-	-	-	-	-	-	386
SB-9	12/8/2010	0-1'			X	587	3830	4,417	<1.00	<1.00	<1.00	5.47	5,220
(AH-4)		3'			X	-	-	-	-	-	-	-	4,780
		5'		X		-	-	-	-	-	-	-	2,290
		7'		X		-	-	-	-	-	-	-	3,550
		10'		X		-	-	-	-	-	-	-	1,780
		15'		X		-	-	-	-	-	-	-	2,310
		20'		X		-	-	-	-	-	-	-	2,580
		25'		X		-	-	-	-	-	-	-	3,800
		30'		X		-	-	-	-	-	-	-	800
		40'		X		-	-	-	-	-	-	-	255
		50'		X		-	-	-	-	-	-	-	1,320
		60'		X		-	-	-	-	-	-	-	568

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-5	10/4/2010	0-1'			X	91.30	71.10	162.4	<0.0500	<0.0500	0.304	0.358	5,970
2nd Spill		1-1.5'			X	-	-	-	-	-	-	-	2,770
		2-2.5'			X	-	-	-	-	-	-	-	3,380
		3-3.5'			X	-	-	-	-	-	-	-	5,110
		4-4.5'			X	-	-	-	-	-	-	-	6,210
		5-5.5'		X		-	-	-	-	-	-	-	8,390
		6-6.5'		X		-	-	-	-	-	-	-	8,360
		7-7.5'		X		-	-	-	-	-	-	-	6,580
		8-8.5'		X		-	-	-	-	-	-	-	6,410
		9-9.5'		X		-	-	-	-	-	-	-	6,030
SB-1	12/6/2010	0-1'			X	<2.00	57.1	57.1	-	-	-	-	1,210
(AH-5)		3'			X	-	-	-	-	-	-	-	3,040
		5'		X		-	-	-	-	-	-	-	2,780
		7'		X		-	-	-	-	-	-	-	1,310
		10'		X		-	-	-	-	-	-	-	616
		15'		X		-	-	-	-	-	-	-	1,080
		20'		X		-	-	-	-	-	-	-	538
		25'		X		-	-	-	-	-	-	-	921
		30'		X		-	-	-	-	-	-	-	5,230
		40'		X		-	-	-	-	-	-	-	1,620
		50'		X		-	-	-	-	-	-	-	2,700
		60'		X		-	-	-	-	-	-	-	641

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-4	12/7/2010	0-1'			X	<2.00	<50.0	<50.0	-	-	-	-	7,040
(AH-5)		3'			X	-	-	-	-	-	-	-	5,420
		5'		X		-	-	-	-	-	-	-	4,430
		7'		X		-	-	-	-	-	-	-	7,040
		10'		X		-	-	-	-	-	-	-	5,850
		15'		X		-	-	-	-	-	-	-	11,800
		20'		X		-	-	-	-	-	-	-	7,120
		25'		X		-	-	-	-	-	-	-	3,000
		30'		X		-	-	-	-	-	-	-	2,790
		40'		X		-	-	-	-	-	-	-	956
		50'		X		-	-	-	-	-	-	-	480
SB-5	12/7/2010	0-1'			X	<10.0	426	426	<0.100	<0.100	<0.100	<0.100	3,540
(AH-5)		3'			X	-	-	-	-	-	-	-	3,360
		5'		X		-	-	-	-	-	-	-	2,420
		7'		X		-	-	-	-	-	-	-	2,050
		10'		X		-	-	-	-	-	-	-	2,970
		15'		X		-	-	-	-	-	-	-	3,280
		20'		X		-	-	-	-	-	-	-	9,500
		25'		X		-	-	-	-	-	-	-	4,220
		30'		X		-	-	-	-	-	-	-	609
		40'		X		-	-	-	-	-	-	-	2,710
		50'		X		-	-	-	-	-	-	-	3,360
		60'		X		-	-	-	-	-	-	-	754
		70'		X		-	-	-	-	-	-	-	1,840

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-6	10/4/2010	0-1'		X		1,320	4,400	**5,720**	<0.500	0.701	14.4	13.9	2,710
2nd Spill		1-1.5'		X		5,820	1,830	**7,650**	-	-	-	-	983
		2-2.5'		X		11,100	2,150	**13,250**	-	-	-	-	3,320
		3-3.5'		X		1,560	2,160	3,720	-	-	-	-	3,240
		4-4.5'		X		3,260	2,380	**5,640**	-	-	-	-	3,710
		5-5.5'		X		2,050	2,320	4,370	-	-	-	-	3,830
		6-6.5'		X		1,500	929	2,429	-	-	-	-	1,710
		7-7.5'		X		926	1,950	2,876	-	-	-	-	4,080
		8-8.5'		X		1,040	2,080	3,120	-	-	-	-	2,320
		9-9.5'		X		917	3690	4,607	-	-	-	-	6,280
SB-2	12/6/2010	0-1'		X		<10.0	437	437	<0.100	<0.100	<0.100	<0.100	6,990
(AH-6)		3'		X		-	-	-	-	-	-	-	2,810
		5'		X		-	-	-	-	-	-	-	1,300
		7'		X		-	-	-	-	-	-	-	2,260
		10'		X		-	-	-	-	-	-	-	2,540
		15'		X		-	-	-	-	-	-	-	2,270
		20'		X		-	-	-	-	-	-	-	4,600
		25'		X		-	-	-	-	-	-	-	2,480
		30'		X		-	-	-	-	-	-	-	289
		40'		X		-	-	-	-	-	-	-	712
		50'		X		-	-	-	-	-	-	-	217
		60'		X		-	-	-	-	-	-	-	754

Table 1
COG Operating LLC.
GJ West CO-OP South Water Distribution/Injection Line
1st and 2nd Spill
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-3	12/7/2010	0-1'		X		<2.00	<50.0	<50.0	-	-	-	-	<200
(AH-6)		3'		X		-	-	-	-	-	-	-	341
		5'		X		-	-	-	-	-	-	-	6,520
		7'		X		-	-	-	-	-	-	-	8,340
		10'		X		-	-	-	-	-	-	-	6,810
		15'		X		-	-	-	-	-	-	-	3,510
		20'		X		-	-	-	-	-	-	-	1,040
		25'		X		-	-	-	-	-	-	-	3,180
		30'		X		-	-	-	-	-	-	-	1,140
		40'		X		-	-	-	-	-	-	-	361
		50'		X		-	-	-	-	-	-	-	<200
		60'		X		-	-	-	-	-	-	-	<200

BEB Below Excavation Bottom

(--) Not Analyzed

Excavation

Liner installation

APPENDIX A

0524

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-14
Revised October 10, 200

Submit 2 Copies to appropriat
District Office in accordanc
with Rule 116 on bac
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Repo

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ West Coop South Water Distribution Site	Facility Type	Tank Battery

Surface Owner: State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	23	17S	29E					Eddy

Latitude 32.81225 Longitude 104.0774

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 100bbls	Volume Recovered: 10bbls
Source of Release: Transfer Pump	Date and Hour of Occurrence: 05/06/2010	Date and Hour of Discovery: 05/06/2010 4:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher - OCD	
By Whom? Josh Russo	Date and Hour: 05/07/2010 9:25 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A swedge broke off of the water transfer pump. The swedge has been repaired and the pump has been put back in service.

Describe Area Affected and Cleanup Action Taken.*

Initially 100bbls of produced water was released from the water transfer pump. We were able to recover 10bbls. The spill site area dimensions are 300' x 10'. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a remediation work plan to the OCD 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor:
Title: HSE Coordinator	Approval Date: / Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: / Attached ☐
Date: 05/07/2010 Phone: 432-212-2399	

Attach Additional Sheets If Necessary

0691

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-14
Revised October 10, 200

Submit 2 Copies to appropria
District Office in accordanc
with Rule 116 on bac
side of for

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Rep

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ West Coop Unit South Water Distribution Site	Facility Type	Injection line

Surface Owner State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude 32 48.655 Longitude 104 04.555

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 100bbls	Volume Recovered 50bbls
Source of Release Nipple off of injection line 90	Date and Hour of Occurrence 09/17/2010	Date and Hour of Discovery 09/17/2010 2:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher—OCD	
By Whom? Josh Russo	Date and Hour 09/17/2010 5:57 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A nipple came loose off of the 90 on the injection line. All old fittings were replaced with new fittings.

Describe Area Affected and Cleanup Action Taken.*

Initially 100bbls of produced water was released due to the faulty fitting at the 90 on the injection line. We were able to recover 50bbls with a vacuum truck. The spill area has the dimensions of 10' x 600' in the pasture. (The closest well location to the release is the GJ West Coop Unit #170, Unit B, Sec.28-T17S-R29E, 565' FNL 1330' FEL, Eddy Co., NM, API# 30-015-35777). Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor:
Title: HSE Coordinator	Approval Date: / Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: / Attached ☐
Date: 09/20/2010 Phone: 432-212-2399	

Attach Additional Sheets If Necessary

Sample: 246942 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**6710**	mg/Kg	4.00

Sample: 246943 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2530**	mg/Kg	4.00

Sample: 246944 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**2040**	mg/Kg	4.00

Sample: 246945 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1790**	mg/Kg	4.00

Sample: 246946 - AH-4 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**1720**	mg/Kg	4.00

Sample: 246947 - AH-4 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**2690**	mg/Kg	4.00

Sample: 246948 - AH-4 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**4290**	mg/Kg	4.00

Sample: 246949 - AH-4 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**4030**	mg/Kg	4.00

Sample: 246950 - AH-4 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**3980**	mg/Kg	4.00

Sample: 246951 - AH-4 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**3430**	mg/Kg	4.00

Sample: 246952 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**5970**	mg/Kg	4.00

Sample: 246953 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2770**	mg/Kg	4.00

Sample: 246954 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3380**	mg/Kg	4.00

Sample: 246955 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**5110**	mg/Kg	4.00

Sample: 246956 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**6210**	mg/Kg	4.00

Sample: 246957 - AH-5 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**8390**	mg/Kg	4.00

Sample: 246958 - AH-5 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**8360**	mg/Kg	4.00

Sample: 246959 - AH-5 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**6580**	mg/Kg	4.00

Sample: 246960 - AH-5 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**6410**	mg/Kg	4.00

Sample: 246961 - AH-5 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**6030**	mg/Kg	4.00

Sample: 246962 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		**2710**	mg/Kg	4.00

Sample: 246963 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**983**	mg/Kg	4.00

Sample: 246964 - AH-6 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3320**	mg/Kg	4.00

Sample: 246965 - AH-6 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**3240**	mg/Kg	4.00

Sample: 246966 - AH-6 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**3710**	mg/Kg	4.00

Sample: 246967 - AH-6 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**3830**	mg/Kg	4.00

Sample: 246968 - AH-6 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**1710**	mg/Kg	4.00

Sample: 246969 - AH-6 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**4080**	mg/Kg	4.00

Sample: 246970 - AH-6 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**2320**	mg/Kg	4.00

Sample: 246971 - AH-6 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**6280**	mg/Kg	4.00

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: December 22, 2010

Work Order: 10121028

Project Location: Eddy Co., NM
Project Name: COG/GJ Co-op SWD
Project Number: 114-6400524

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
252965	SB-1 0-1'	soil	2010-12-06	00:00	2010-12-10
252966	SB-1 3'	soil	2010-12-06	00:00	2010-12-10
252967	SB-1 5'	soil	2010-12-06	00:00	2010-12-10
252968	SB-1 7'	soil	2010-12-06	00:00	2010-12-10
252969	SB-1 10'	soil	2010-12-06	00:00	2010-12-10
252970	SB-1 15'	soil	2010-12-06	00:00	2010-12-10
252971	SB-1 20'	soil	2010-12-06	00:00	2010-12-10
252972	SB-1 25'	soil	2010-12-06	00:00	2010-12-10
252973	SB-1 30'	soil	2010-12-06	00:00	2010-12-10
252974	SB-1 40'	soil	2010-12-06	00:00	2010-12-10
252975	SB-1 50'	soil	2010-12-06	00:00	2010-12-10
252976	SB-1 60'	soil	2010-12-06	00:00	2010-12-10
252977	SB-2 0-1'	soil	2010-12-06	00:00	2010-12-10
252978	SB-2 3'	soil	2010-12-06	00:00	2010-12-10
252979	SB-2 5'	soil	2010-12-06	00:00	2010-12-10
252980	SB-2 7'	soil	2010-12-06	00:00	2010-12-10
252981	SB-2 10'	soil	2010-12-06	00:00	2010-12-10
252982	SB-2 15'	soil	2010-12-06	00:00	2010-12-10
252983	SB-2 20'	soil	2010-12-06	00:00	2010-12-10
252984	SB-2 25'	soil	2010-12-06	00:00	2010-12-10
252985	SB-2 30'	soil	2010-12-06	00:00	2010-12-10
252986	SB-2 40'	soil	2010-12-06	00:00	2010-12-10
252987	SB-2 50'	soil	2010-12-06	00:00	2010-12-10
252988	SB-2 60'	soil	2010-12-06	00:00	2010-12-10
252989	SB-3 0-1'	soil	2010-12-07	00:00	2010-12-10
252990	SB-3 3'	soil	2010-12-07	00:00	2010-12-10
252991	SB-3 5'	soil	2010-12-07	00:00	2010-12-10
252992	SB-3 7'	soil	2010-12-07	00:00	2010-12-10
252993	SB-3 10'	soil	2010-12-07	00:00	2010-12-10
252994	SB-3 15'	soil	2010-12-07	00:00	2010-12-10

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
252995	SB-3 20'	soil	2010-12-07	00:00	2010-12-10
252996	SB-3 25'	soil	2010-12-07	00:00	2010-12-10
252997	SB-3 30'	soil	2010-12-07	00:00	2010-12-10
252998	SB-3 40'	soil	2010-12-07	00:00	2010-12-10
252999	SB-3 50'	soil	2010-12-07	00:00	2010-12-10
253000	SB-3 60'	soil	2010-12-07	00:00	2010-12-10
253001	SB-4 0-1'	soil	2010-12-07	00:00	2010-12-10
253002	SB-4 3'	soil	2010-12-07	00:00	2010-12-10
253003	SB-4 5'	soil	2010-12-07	00:00	2010-12-10
253004	SB-4 7'	soil	2010-12-07	00:00	2010-12-10
253005	SB-4 10'	soil	2010-12-07	00:00	2010-12-10
253006	SB-4 15'	soil	2010-12-07	00:00	2010-12-10
253007	SB-4 20'	soil	2010-12-07	00:00	2010-12-10
253008	SB-4 25'	soil	2010-12-07	00:00	2010-12-10
253009	SB-4 30'	soil	2010-12-07	00:00	2010-12-10
253010	SB-4 40'	soil	2010-12-07	00:00	2010-12-10
253011	SB-4 50'	soil	2010-12-07	00:00	2010-12-10
253012	SB-5 0-1'	soil	2010-12-07	00:00	2010-12-10
253013	SB-5 3'	soil	2010-12-07	00:00	2010-12-10
253014	SB-5 5'	soil	2010-12-07	00:00	2010-12-10
253015	SB-5 7'	soil	2010-12-07	00:00	2010-12-10
253016	SB-5 10'	soil	2010-12-07	00:00	2010-12-10
253017	SB-5 15'	soil	2010-12-07	00:00	2010-12-10
253018	SB-5 20'	soil	2010-12-07	00:00	2010-12-10
253019	SB-5 25'	soil	2010-12-07	00:00	2010-12-10
253020	SB-5 30'	soil	2010-12-07	00:00	2010-12-10
253021	SB-5 40'	soil	2010-12-07	00:00	2010-12-10
253022	SB-5 50'	soil	2010-12-07	00:00	2010-12-10
253023	SB-5 60'	soil	2010-12-07	00:00	2010-12-10
253024	SB-5 70'	soil	2010-12-07	00:00	2010-12-10
253025	SB-6 0-1'	soil	2010-12-07	00:00	2010-12-10
253026	SB-6 3'	soil	2010-12-07	00:00	2010-12-10
253027	SB-6 5'	soil	2010-12-07	00:00	2010-12-10
253028	SB-6 7'	soil	2010-12-07	00:00	2010-12-10
253029	SB-6 10'	soil	2010-12-07	00:00	2010-12-10
253030	SB-6 15'	soil	2010-12-07	00:00	2010-12-10
253031	SB-6 20'	soil	2010-12-07	00:00	2010-12-10
253032	SB-6 25'	soil	2010-12-07	00:00	2010-12-10
253033	SB-6 30'	soil	2010-12-07	00:00	2010-12-10
253034	SB-6 40'	soil	2010-12-07	00:00	2010-12-10
253035	SB-6 50'	soil	2010-12-07	00:00	2010-12-10
253036	SB-6 60'	soil	2010-12-07	00:00	2010-12-10
253037	SB-6 70'	soil	2010-12-07	00:00	2010-12-10

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
252965 - SB-1 0-1'					**57.1**	<2.00

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
252977 - SB-2 0-1'	<0.100	<0.100	<0.100	<0.100	**437**	<10.0
252989 - SB-3 0-1'					<50.0	<2.00
253001 - SB-4 0-1'					<50.0	<2.00
253012 - SB-5 0-1'	<0.100	<0.100	<0.100	<0.100	**426**	<10.0
253025 - SB-6 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**62.1**	<2.00

Sample: 252965 - SB-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**1210**	mg/Kg	4.00

Sample: 252966 - SB-1 3'

Param	Flag	Result	Units	RL
Chloride		**3040**	mg/Kg	4.00

Sample: 252967 - SB-1 5'

Param	Flag	Result	Units	RL
Chloride		**2780**	mg/Kg	4.00

Sample: 252968 - SB-1 7'

Param	Flag	Result	Units	RL
Chloride		**1310**	mg/Kg	4.00

Sample: 252969 - SB-1 10'

Param	Flag	Result	Units	RL
Chloride		**616**	mg/Kg	4.00

Sample: 252970 - SB-1 15'

Param	Flag	Result	Units	RL
Chloride		**1080**	mg/Kg	4.00

Sample: 252971 - SB-1 20'

Param	Flag	Result	Units	RL
Chloride		**538**	mg/Kg	4.00

Sample: 252972 - SB-1 25'

Param	Flag	Result	Units	RL
Chloride		**921**	mg/Kg	4.00

Sample: 252973 - SB-1 30'

Param	Flag	Result	Units	RL
Chloride		**5230**	mg/Kg	4.00

Sample: 252974 - SB-1 40'

Param	Flag	Result	Units	RL
Chloride		**1620**	mg/Kg	4.00

Sample: 252975 - SB-1 50'

Param	Flag	Result	Units	RL
Chloride		**2700**	mg/Kg	4.00

Sample: 252976 - SB-1 60'

Param	Flag	Result	Units	RL
Chloride		**641**	mg/Kg	4.00

Sample: 252977 - SB-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**6990**	mg/Kg	4.00

Sample: 252978 - SB-2 3'

Param	Flag	Result	Units	RL
Chloride		**2810**	mg/Kg	4.00

Sample: 252979 - SB-2 5'

Param	Flag	Result	Units	RL
Chloride		**1300**	mg/Kg	4.00

Sample: 252980 - SB-2 7'

Param	Flag	Result	Units	RL
Chloride		**2260**	mg/Kg	4.00

Sample: 252981 - SB-2 10'

Param	Flag	Result	Units	RL
Chloride		**2540**	mg/Kg	4.00

Sample: 252982 - SB-2 15'

Param	Flag	Result	Units	RL
Chloride		**2270**	mg/Kg	4.00

Sample: 252983 - SB-2 20'

Param	Flag	Result	Units	RL
Chloride		**4600**	mg/Kg	4.00

Sample: 252984 - SB-2 25'

Param	Flag	Result	Units	RL
Chloride		**2480**	mg/Kg	4.00

Sample: 252985 - SB-2 30'

Param	Flag	Result	Units	RL
Chloride		**289**	mg/Kg	4.00

Sample: 252986 - SB-2 40'

Param	Flag	Result	Units	RL
Chloride		**712**	mg/Kg	4.00

Sample: 252987 - SB-2 50'

Param	Flag	Result	Units	RL
Chloride		**217**	mg/Kg	4.00

Sample: 252988 - SB-2 60'

Param	Flag	Result	Units	RL
Chloride		**754**	mg/Kg	4.00

Sample: 252989 - SB-3 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 252990 - SB-3 3'

Param	Flag	Result	Units	RL
Chloride		**341**	mg/Kg	4.00

Sample: 252991 - SB-3 5'

Param	Flag	Result	Units	RL
Chloride		**6520**	mg/Kg	4.00

Sample: 252992 - SB-3 7'

Param	Flag	Result	Units	RL
Chloride		**8340**	mg/Kg	4.00

Sample: 252993 - SB-3 10'

Param	Flag	Result	Units	RL
Chloride		**6810**	mg/Kg	4.00

Sample: 252994 - SB-3 15'

Param	Flag	Result	Units	RL
Chloride		**3510**	mg/Kg	4.00

Sample: 252995 - SB-3 20'

Param	Flag	Result	Units	RL
Chloride		**1040**	mg/Kg	4.00

Sample: 252996 - SB-3 25'

Param	Flag	Result	Units	RL
Chloride		**3180**	mg/Kg	4.00

Sample: 252997 - SB-3 30'

Param	Flag	Result	Units	RL
Chloride		**1140**	mg/Kg	4.00

Sample: 252998 - SB-3 40'

Param	Flag	Result	Units	RL
Chloride		**361**	mg/Kg	4.00

Sample: 252999 - SB-3 50'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253000 - SB-3 60'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253001 - SB-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**7040**	mg/Kg	4.00

Sample: 253002 - SB-4 3'

Param	Flag	Result	Units	RL
Chloride		**5420**	mg/Kg	4.00

Sample: 253003 - SB-4 5'

Param	Flag	Result	Units	RL
Chloride		**4430**	mg/Kg	4.00

Sample: 253004 - SB-4 7'

Param	Flag	Result	Units	RL
Chloride		**7040**	mg/Kg	4.00

Sample: 253005 - SB-4 10'

Param	Flag	Result	Units	RL
Chloride		**5850**	mg/Kg	4.00

Sample: 253006 - SB-4 15'

Param	Flag	Result	Units	RL
Chloride		**11800**	mg/Kg	4.00

Sample: 253007 - SB-4 20'

Param	Flag	Result	Units	RL
Chloride		**7120**	mg/Kg	4.00

Sample: 253008 - SB-4 25'

Param	Flag	Result	Units	RL
Chloride		**3000**	mg/Kg	4.00

Sample: 253009 - SB-4 30'

Param	Flag	Result	Units	RL
Chloride		**2790**	mg/Kg	4.00

Sample: 253010 - SB-4 40'

Param	Flag	Result	Units	RL
Chloride		**956**	mg/Kg	4.00

Sample: 253011 - SB-4 50'

Param	Flag	Result	Units	RL
Chloride		**480**	mg/Kg	4.00

Sample: 253012 - SB-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**3540**	mg/Kg	4.00

Sample: 253013 - SB-5 3'

Param	Flag	Result	Units	RL
Chloride		**3360**	mg/Kg	4.00

Sample: 253014 - SB-5 5'

Param	Flag	Result	Units	RL
Chloride		**2420**	mg/Kg	4.00

Sample: 253015 - SB-5 7'

Param	Flag	Result	Units	RL
Chloride		**2050**	mg/Kg	4.00

Sample: 253016 - SB-5 10'

Param	Flag	Result	Units	RL
Chloride		**2970**	mg/Kg	4.00

Sample: 253017 - SB-5 15'

Param	Flag	Result	Units	RL
Chloride		**3280**	mg/Kg	4.00

Sample: 253018 - SB-5 20'

Param	Flag	Result	Units	RL
Chloride		**9500**	mg/Kg	4.00

Sample: 253019 - SB-5 25'

Param	Flag	Result	Units	RL
Chloride		**4220**	mg/Kg	4.00

Sample: 253020 - SB-5 30'

Param	Flag	Result	Units	RL
Chloride		**609**	mg/Kg	4.00

Sample: 253021 - SB-5 40'

Param	Flag	Result	Units	RL
Chloride		**2710**	mg/Kg	4.00

Sample: 253022 - SB-5 50'

Param	Flag	Result	Units	RL
Chloride		**3360**	mg/Kg	4.00

Sample: 253023 - SB-5 60'

Param	Flag	Result	Units	RL
Chloride		**754**	mg/Kg	4.00

Sample: 253024 - SB-5 70'

Param	Flag	Result	Units	RL
Chloride		**1840**	mg/Kg	4.00

Sample: 253025 - SB-6 0-1'

Param	Flag	Result	Units	RL
Chloride		**821**	mg/Kg	4.00

Sample: 253026 - SB-6 3'

Param	Flag	Result	Units	RL
Chloride		**936**	mg/Kg	4.00

Sample: 253027 - SB-6 5'

Param	Flag	Result	Units	RL
Chloride		**8190**	mg/Kg	4.00

Sample: 253028 - SB-6 7'

Param	Flag	Result	Units	RL
Chloride		**3950**	mg/Kg	4.00

Sample: 253029 - SB-6 10'

Param	Flag	Result	Units	RL
Chloride		**9110**	mg/Kg	4.00

Sample: 253030 - SB-6 15'

Param	Flag	Result	Units	RL
Chloride		**9640**	mg/Kg	4.00

Sample: 253031 - SB-6 20'

Param	Flag	Result	Units	RL
Chloride		**3100**	mg/Kg	4.00

Sample: 253032 - SB-6 25'

Param	Flag	Result	Units	RL
Chloride		**3490**	mg/Kg	4.00

Sample: 253033 - SB-6 30'

Param	Flag	Result	Units	RL
Chloride		**992**	mg/Kg	4.00

Sample: 253034 - SB-6 40'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253035 - SB-6 50'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253036 - SB-6 60'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253037 - SB-6 70'

Param	Flag	Result	Units	RL
Chloride		**386**	mg/Kg	4.00

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: December 30, 2010

Work Order: 10121029

Project Location: Eddy Co., NM
Project Name: COG/GJ Co-op SWD
Project Number: 114-6400524

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253038	SB-7 0-1'	soil	2010-12-08	00:00	2010-12-10
253039	SB-7 3'	soil	2010-12-08	00:00	2010-12-10
253040	SB-7 5'	soil	2010-12-08	00:00	2010-12-10
253041	SB-7 7'	soil	2010-12-08	00:00	2010-12-10
253042	SB-7 10'	soil	2010-12-08	00:00	2010-12-10
253043	SB-7 15'	soil	2010-12-08	00:00	2010-12-10
253044	SB-7 20'	soil	2010-12-08	00:00	2010-12-10
253045	SB-7 25'	soil	2010-12-08	00:00	2010-12-10
253046	SB-7 30'	soil	2010-12-08	00:00	2010-12-10
253047	SB-7 40'	soil	2010-12-08	00:00	2010-12-10
253048	SB-7 50'	soil	2010-12-08	00:00	2010-12-10
253049	SB-7 60'	soil	2010-12-08	00:00	2010-12-10
253050	SB-8 0-1'	soil	2010-12-08	00:00	2010-12-10
253051	SB-8 3'	soil	2010-12-08	00:00	2010-12-10
253052	SB-8 5'	soil	2010-12-08	00:00	2010-12-10
253053	SB-8 7'	soil	2010-12-08	00:00	2010-12-10
253054	SB-8 10'	soil	2010-12-08	00:00	2010-12-10
253055	SB-8 15'	soil	2010-12-08	00:00	2010-12-10
253056	SB-8 20'	soil	2010-12-08	00:00	2010-12-10
253057	SB-8 25'	soil	2010-12-08	00:00	2010-12-10
253058	SB-8 30'	soil	2010-12-08	00:00	2010-12-10
253059	SB-8 40'	soil	2010-12-08	00:00	2010-12-10
253060	SB-8 50'	soil	2010-12-08	00:00	2010-12-10
253061	SB-9 0-1'	soil	2010-12-08	00:00	2010-12-10
253062	SB-9 3'	soil	2010-12-08	00:00	2010-12-10
253063	SB-9 5'	soil	2010-12-08	00:00	2010-12-10
253064	SB-9 7'	soil	2010-12-08	00:00	2010-12-10
253065	SB-9 10'	soil	2010-12-08	00:00	2010-12-10
253066	SB-9 15'	soil	2010-12-08	00:00	2010-12-10
253067	SB-9 20'	soil	2010-12-08	00:00	2010-12-10

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253068	SB-9 25'	soil	2010-12-08	00:00	2010-12-10
253069	SB-9 30'	soil	2010-12-08	00:00	2010-12-10
253070	SB-9 40'	soil	2010-12-08	00:00	2010-12-10
253071	SB-9 50'	soil	2010-12-08	00:00	2010-12-10
253072	SB-9 60'	soil	2010-12-08	00:00	2010-12-10
253073	SB-10 0-1'	soil	2010-12-09	00:00	2010-12-10
253074	SB-10 3'	soil	2010-12-09	00:00	2010-12-10
253075	SB-10 5'	soil	2010-12-09	00:00	2010-12-10
253076	SB-10 7'	soil	2010-12-09	00:00	2010-12-10
253077	SB-10 10'	soil	2010-12-09	00:00	2010-12-10
253078	SB-10 15'	soil	2010-12-09	00:00	2010-12-10
253079	SB-10 20'	soil	2010-12-09	00:00	2010-12-10
253080	SB-10 25'	soil	2010-12-09	00:00	2010-12-10
253081	SB-10 30'	soil	2010-12-09	00:00	2010-12-10
253082	SB-10 40'	soil	2010-12-09	00:00	2010-12-10
253083	SB-10 50'	soil	2010-12-09	00:00	2010-12-10
253084	SB-10 60'	soil	2010-12-09	00:00	2010-12-10
253085	SB-11 0-1'	soil	2010-12-09	00:00	2010-12-10
253086	SB-11 3'	soil	2010-12-09	00:00	2010-12-10
253087	SB-11 5'	soil	2010-12-09	00:00	2010-12-10
253088	SB-11 7'	soil	2010-12-09	00:00	2010-12-10
253089	SB-11 10'	soil	2010-12-09	00:00	2010-12-10
253090	SB-11 15'	soil	2010-12-09	00:00	2010-12-10
253091	SB-11 20'	soil	2010-12-09	00:00	2010-12-10
253092	SB-11 25'	soil	2010-12-09	00:00	2010-12-10
253093	SB-11 30'	soil	2010-12-09	00:00	2010-12-10
253094	SB-11 40'	soil	2010-12-09	00:00	2010-12-10
253095	SB-11 50'	soil	2010-12-09	00:00	2010-12-10
253096	SB-11 60'	soil	2010-12-09	00:00	2010-12-10
253097	SB-12 0-1'	soil	2010-12-09	00:00	2010-12-10
253098	SB-12 3'	soil	2010-12-09	00:00	2010-12-10
253099	SB-12 5'	soil	2010-12-09	00:00	2010-12-10
253100	SB-12 7'	soil	2010-12-09	00:00	2010-12-10
253101	SB-12 10'	soil	2010-12-09	00:00	2010-12-10
253102	SB-12 15'	soil	2010-12-09	00:00	2010-12-10
253103	SB-12 20'	soil	2010-12-09	00:00	2010-12-10
253104	SB-12 25'	soil	2010-12-09	00:00	2010-12-10
253105	SB-12 30'	soil	2010-12-09	00:00	2010-12-10

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
253038 - SB-7 0-1'	<0.400	<0.400	<0.400	**2.20**	**1120**	**560**
253050 - SB-8 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**307**	**2.56**
253061 - SB-9 0-1'	<1.00	<1.00	<1.00	**5.47**	**3830**	**587**
253073 - SB-10 0-1'	<0.200	<0.200	<0.200	<0.200	**2270**	<20.0
253085 - SB-11 0-1'					<50.0	<2.00
253097 - SB-12 0-1'	<0.100	<0.100	<0.100	<0.100	**1040**	**66.7**

Sample: 253038 - SB-7 0-1'

Param	Flag	Result	Units	RL
Chloride		**6360**	mg/Kg	4.00

Sample: 253039 - SB-7 3'

Param	Flag	Result	Units	RL
Chloride		**3140**	mg/Kg	4.00

Sample: 253040 - SB-7 5'

Param	Flag	Result	Units	RL
Chloride		**2590**	mg/Kg	4.00

Sample: 253041 - SB-7 7'

Param	Flag	Result	Units	RL
Chloride		**7810**	mg/Kg	4.00

Sample: 253042 - SB-7 10'

Param	Flag	Result	Units	RL
Chloride		**9200**	mg/Kg	4.00

Sample: 253043 - SB-7 15'

Param	Flag	Result	Units	RL
Chloride		**4580**	mg/Kg	4.00

Sample: 253044 - SB-7 20'

Param	Flag	Result	Units	RL
Chloride		**4410**	mg/Kg	4.00

Sample: 253045 - SB-7 25'

Param	Flag	Result	Units	RL
Chloride		**1060**	mg/Kg	4.00

Sample: 253046 - SB-7 30'

Param	Flag	Result	Units	RL
Chloride		**271**	mg/Kg	4.00

Sample: 253047 - SB-7 40'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253048 - SB-7 50'

Param	Flag	Result	Units	RL
Chloride		**290**	mg/Kg	4.00

Sample: 253049 - SB-7 60'

Param	Flag	Result	Units	RL
Chloride		**271**	mg/Kg	4.00

Sample: 253050 - SB-8 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253051 - SB-8 3'

Param	Flag	Result	Units	RL
Chloride		**261**	mg/Kg	4.00

Sample: 253052 - SB-8 5'

Param	Flag	Result	Units	RL
Chloride		**7640**	mg/Kg	4.00

Sample: 253053 - SB-8 7'

Param	Flag	Result	Units	RL
Chloride		**4820**	mg/Kg	4.00

Sample: 253054 - SB-8 10'

Param	Flag	Result	Units	RL
Chloride		**3180**	mg/Kg	4.00

Sample: 253055 - SB-8 15'

Param	Flag	Result	Units	RL
Chloride		**9800**	mg/Kg	4.00

Sample: 253056 - SB-8 20'

Param	Flag	Result	Units	RL
Chloride		**10800**	mg/Kg	4.00

Sample: 253057 - SB-8 25'

Param	Flag	Result	Units	RL
Chloride		**3490**	mg/Kg	4.00

Sample: 253058 - SB-8 30'

Param	Flag	Result	Units	RL
Chloride		**3180**	mg/Kg	4.00

Sample: 253059 - SB-8 40'

Param	Flag	Result	Units	RL
Chloride		**2680**	mg/Kg	4.00

Sample: 253060 - SB-8 50'

Param	Flag	Result	Units	RL
Chloride		**2210**	mg/Kg	4.00

Sample: 253061 - SB-9 0-1'

Param	Flag	Result	Units	RL
Chloride		**5220**	mg/Kg	4.00

Sample: 253062 - SB-9 3'

Param	Flag	Result	Units	RL
Chloride		**4780**	mg/Kg	4.00

Sample: 253063 - SB-9 5'

Param	Flag	Result	Units	RL
Chloride		**2290**	mg/Kg	4.00

Sample: 253064 - SB-9 7'

Param	Flag	Result	Units	RL
Chloride		**3550**	mg/Kg	4.00

Sample: 253065 - SB-9 10'

Param	Flag	Result	Units	RL
Chloride		**1780**	mg/Kg	4.00

Sample: 253066 - SB-9 15'

Param	Flag	Result	Units	RL
Chloride		**2310**	mg/Kg	4.00

Sample: 253067 - SB-9 20'

Param	Flag	Result	Units	RL
Chloride		**2580**	mg/Kg	4.00

Sample: 253068 - SB-9 25'

Param	Flag	Result	Units	RL
Chloride		**3800**	mg/Kg	4.00

Sample: 253069 - SB-9 30'

Param	Flag	Result	Units	RL
Chloride		**800**	mg/Kg	4.00

Sample: 253070 - SB-9 40'

Param	Flag	Result	Units	RL
Chloride		**255**	mg/Kg	4.00

Sample: 253071 - SB-9 50'

Param	Flag	Result	Units	RL
Chloride		**1320**	mg/Kg	4.00

Sample: 253072 - SB-9 60'

Param	Flag	Result	Units	RL
Chloride		**568**	mg/Kg	4.00

Sample: 253073 - SB-10 0-1'

Param	Flag	Result	Units	RL
Chloride		**9310**	mg/Kg	4.00

Sample: 253074 - SB-10 3'

Param	Flag	Result	Units	RL
Chloride		**8260**	mg/Kg	4.00

Sample: 253075 - SB-10 5'

Param	Flag	Result	Units	RL
Chloride		**6770**	mg/Kg	4.00

Sample: 253076 - SB-10 7'

Param	Flag	Result	Units	RL
Chloride		**4150**	mg/Kg	4.00

Sample: 253077 - SB-10 10'

Param	Flag	Result	Units	RL
Chloride		**3290**	mg/Kg	4.00

Sample: 253078 - SB-10 15'

Param	Flag	Result	Units	RL
Chloride		**3030**	mg/Kg	4.00

Sample: 253079 - SB-10 20'

Param	Flag	Result	Units	RL
Chloride		**7180**	mg/Kg	4.00

Sample: 253080 - SB-10 25'

Param	Flag	Result	Units	RL
Chloride		**2660**	mg/Kg	4.00

Sample: 253081 - SB-10 30'

Param	Flag	Result	Units	RL
Chloride		**2460**	mg/Kg	4.00

Sample: 253082 - SB-10 40'

Param	Flag	Result	Units	RL
Chloride		**1280**	mg/Kg	4.00

Sample: 253083 - SB-10 50'

Param	Flag	Result	Units	RL
Chloride		**252**	mg/Kg	4.00

Sample: 253084 - SB-10 60'

Param	Flag	Result	Units	RL
Chloride		**272**	mg/Kg	4.00

Sample: 253085 - SB-11 0-1'

Param	Flag	Result	Units	RL
Chloride		**366**	mg/Kg	4.00

Sample: 253086 - SB-11 3'

Param	Flag	Result	Units	RL
Chloride		**292**	mg/Kg	4.00

Sample: 253087 - SB-11 5'

Param	Flag	Result	Units	RL
Chloride		**1610**	mg/Kg	4.00

Sample: 253088 - SB-11 7'

Param	Flag	Result	Units	RL
Chloride		**8650**	mg/Kg	4.00

Sample: 253089 - SB-11 10'

Param	Flag	Result	Units	RL
Chloride		**15600**	mg/Kg	4.00

Sample: 253090 - SB-11 15'

Param	Flag	Result	Units	RL
Chloride		**5800**	mg/Kg	4.00

Sample: 253091 - SB-11 20'

Param	Flag	Result	Units	RL
Chloride		**2230**	mg/Kg	4.00

Sample: 253092 - SB-11 25'

Param	Flag	Result	Units	RL
Chloride		**909**	mg/Kg	4.00

Sample: 253093 - SB-11 30'

Param	Flag	Result	Units	RL
Chloride		**949**	mg/Kg	4.00

Sample: 253094 - SB-11 40'

Param	Flag	Result	Units	RL
Chloride		**860**	mg/Kg	4.00

Sample: 253095 - SB-11 50'

Param	Flag	Result	Units	RL
Chloride		**1050**	mg/Kg	4.00

Sample: 253096 - SB-11 60'

Param	Flag	Result	Units	RL
Chloride		**711**	mg/Kg	4.00

Sample: 253097 - SB-12 0-1'

Param	Flag	Result	Units	RL
Chloride		**3510**	mg/Kg	4.00

Sample: 253098 - SB-12 3'

Param	Flag	Result	Units	RL
Chloride		**4710**	mg/Kg	4.00

Sample: 253099 - SB-12 5'

Param	Flag	Result	Units	RL
Chloride		**3140**	mg/Kg	4.00

Sample: 253100 - SB-12 7'

Param	Flag	Result	Units	RL
Chloride		**3500**	mg/Kg	4.00

Sample: 253101 - SB-12 10'

Param	Flag	Result	Units	RL
Chloride		**3930**	mg/Kg	4.00

Sample: 253102 - SB-12 15'

Param	Flag	Result	Units	RL
Chloride		**3690**	mg/Kg	4.00

Sample: 253103 - SB-12 20'

Param	Flag	Result	Units	RL
Chloride		**929**	mg/Kg	4.00

Sample: 253104 - SB-12 25'

Param	Flag	Result	Units	RL
Chloride		**303**	mg/Kg	4.00

Sample: 253105 - SB-12 30'

Param	Flag	Result	Units	RL
Chloride		**522**	mg/Kg	4.00

1562

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ South Water Station	Facility Type	Water Station

Surface Owner State	Mineral Owner	Lease No. (API#) 30-015-10756 Closest well location

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude 32 48.382 Longitude 104 04.653

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 50bbls	Volume Recovered 25bbls
Source of Release Injection manifold 2" coupling	Date and Hour of Occurrence 03/28/2012	Date and Hour of Discovery 03/28/2012 8:00 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-OCD	
By Whom? Josh Russo	Date and Hour 03/28/2012 11:46 a.m.	
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 injection manifold 2" coupling blew odd of the line causing the release. The injection manifold has been replaced.

Describe Area Affected and Cleanup Action Taken.*

Initially 50bbls were released and we were able to recover 25bbls with a vacuum truck. The release area traveled from the location and streamed into the nearby pasture to a pooling area measuring roughly 15' x 50'. All free fluids have been recovered and the location has been scraped. Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor:
Title: HSE Coordinator	Approval Date: / Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: / Attached ☐
Date: 04/05/2012 Phone: 432-212-2399	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Release Notification and Corrective Action

nJMW1217338587

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC 229137	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ West Coop Unit #074	Facility Type	Well

Surface Owner State	Mineral Owner	Lease No. (API#) 30-015-25492

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	28	17S	29E					Eddy

Latitude 32 48.400 Longitude 104 04.527

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 15 bbls	Volume Recovered 12 bbls
Source of Release casing	Date and Hour of Occurrence 06/06/2012	Date and Hour of Discovery 06/06/2012 8:30 a.m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The well developed a hole in the casing, allowing water flow from injection wells. A clamp has been placed on the casing the well has been turned in for repair.

Describe Area Affected and Cleanup Action Taken.*

15 bbls of produced water was released from the hole in the casing and we were able to recover 12 bbls with a vacuum truck. All fluid remained on location and the location has been scraped. Tetra Tech will sample the spill area on the pad 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor: Signed By Mike Bratcher
Title: HSE Coordinator	Approval Date: JUN 21 2012 Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: Attached ☐
Date: 06/19/2012 Phone: 432-212-2399	

* Attach Additional Sheets If Necessary

2RP-1182

Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:
7/21/12

1362

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	GJ West Coop Trunkline	Facility Type	Trunkline

Surface Owner State	Mineral Owner	Lease No. (API#) 30-015-25492 Wells tied into trunkline 30-015-03163

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude 32 48.700 Longitude 104 04.642

NATURE OF RELEASE

Type of Release Produced water w/ skim oil	Volume of Release 10bbls	Volume Recovered 2bbls
Source of Release Trunkline	Date and Hour of Occurrence 07/09/2012	Date and Hour of Discovery 07/09/2012 3:20 p.m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Corrosion caused a hole to develop in our GJ West Coop Unit #74 and #125 trunkline. We are in the process of replacing the corroded steel flowline.

Describe Area Affected and Cleanup Action Taken.*

Initially approximately 10bbls were release from the corroded flowline and we were able to recover 2bbls with vacuum truck. Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION	
Printed Name: Josh Russo	Approved by District Supervisor:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval:	Attached ☐
Date: 07/12/2012 Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Santa Fe, NM 87505

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Release Notification and Corrective Action

nJM1231139384

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company COG OPERATING LLC 229137		Contact	Pat Ellis
Address 550 W. Texas, Suite 100, Midland, TX 79701		Telephone No.	432-230-0077
Facility Name GJ West Coop Trunkline		Facility Type	Steel Flowline
Surface Owner State	Mineral Owner		Lease No. (API#) 30-015-25492 Wells tied into trunkline 30-015-03163

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude 32.8101 Longitude 104.0761

NATURE OF RELEASE

Type of Release Produced water w/ skim oil	Volume of Release 7bbls	Volume Recovered 5bbls
Source of Release Steel line	Date and Hour of Occurrence 10/09/2012	Date and Hour of Discovery 10/09/2012 11:30 a.m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Due to corrosion, a hole developed in a steel flowline causing the release of fluid. A temporary clamp has been installed on the clamp until the line can be replaced.

Describe Area Affected and Cleanup Action Taken.*

Initially 7bbls of produced fluids were released from the corroded line and we were able to recover 5bbls with a vacuum truck. Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor: Signed By Mike Bratcher
Title: HSE Coordinator	Approval Date: NOV 06 2012 Expiration Date:
E-mail Address: jrusso@cunchorsources.com	Conditions of Approval: Attached ☐
Date: 10/24/2012 Phone: 432-212-2399	

* Attach Additional Sheets If Necessary

2RP-1387

Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: Dec. 6, 2012

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repor

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ West Coop South Water Distribution Site	Facility Type **Tank Battery**

Surface Owner: State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	23	17S	29E					Eddy

Latitude N 32.81225 **Longitude** W 104.0774

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release **100 bbls**	Volume Recovered **10 bbls**
Source of Release Transfer Pump	Date and Hour of Occurrence 05-06-2010	Date and Hour of Discovery **05-06-2010 4:00p.m.**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Mike Bratcher-OCD**	
By Whom? Josh Russo	Date and Hour 05-07-2010 9:25 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

A swedge broke off the water transfer pump. The swedge has been repaired and the pump has been put back in service.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas of soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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:	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for COG)	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/14 Phone: (432) 687-8110	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repor

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ West Coop Unit South Water Distribution Site	Facility Type **Injection Line**

Surface Owner: State	Mineral Owner	Lease No. 30-015-10756

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude N 32 48.655 **Longitude** W 104 04.555

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release **100 bbls**	Volume Recovered **50 bbls**
Source of Release Nipple off of injection line 90	Date and Hour of Occurrence 09-17-2010	Date and Hour of Discovery **09-17-2010 2:00p.m.**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Mike Bratcher-OCD**	
By Whom? Josh Russo	Date and Hour 09-17-2010 5:57 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

A nipple came loose off of the 90 on the injection line. All old fittings were replaced with new fittings

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas with soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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:	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for COG)	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/14 Phone: (432) 687-8110	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repor

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ South Water Station	Facility Type **Water Station**

Surface Owner: State	Mineral Owner	Lease No. 30-015-10756

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude N 32 48.382 **Longitude** W 104 04.653

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release **50 bbls**	Volume Recovered **25 bbls**
Source of Release Injection manifold 2" coupling	Date and Hour of Occurrence 03-28-2012	Date and Hour of Discovery **03-28-2012 8:00a.m.**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Mike Bratcher-OCD**	
By Whom? Josh Russo	Date and Hour 03-28-2012 11:46 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

The injection manifold 2" coupling blew odd of the line causing the release. The injection manifold was replaced.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas with soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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:	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for COG)	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/14 Phone: (432) 687-8110	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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Energy Minerals and Natural Resources

Oil Conservation Division
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Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repor

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ West Coop Unit #074	Facility Type **Well**

Surface Owner: State	Mineral Owner	Lease No. 30-015-25492 30-015-03163

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	28	17S	29E					Eddy

Latitude N 32.81225° **Longitude** W 104.0774°

NATURE OF RELEASE

Type of Release: Produced water w/skim oil	Volume of Release **15 bbls**	Volume Recovered **12 bbls**
Source of Release casing	Date and Hour of Occurrence 06-06-2012	Date and Hour of Discovery **06-06-2012 8:30a.m.**
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

The well developed a hole in the casing, allowing water flow from injection wells. A clamp was placed on the casing and the well was turned in for repair.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas with soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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: (Agent for COG)	**OIL CONSERVATION DIVISION**
Printed Name: Ike Tavarez	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/14 Phone: (432) 687-8110	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repo

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ West Coop Trunkline	Facility Type **Trunkline**

Surface Owner: State	Mineral Owner	Lease No. 30-015-25492 30-015-03163

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude N 32.81225° **Longitude** W 104.0774°

NATURE OF RELEASE

Type of Release: Produced water w/skim oil	Volume of Release **10 bbls**	Volume Recovered **2 bbls**
Source of Release Trunkline	Date and Hour of Occurrence 07-09-2012	Date and Hour of Discovery **07-09-2012 3:20a.m.**
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour 8-15-2013 10.03am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Corrosion caused a hole to develop in our GJ West Coop Unit #74 and #125 trunkline. We are in the process of replacing the corroded steel flowline.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas with soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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:	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for COG)	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/14 Phone: (432) 687-8110	

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Repor

Name of Company **COG Operating LLC**	Contact **Robert McNeil**
Address **600 West Illinois Avenue, Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name GJ West Coop Trunkline	Facility Type **Steel Flowline**

Surface Owner: State	Mineral Owner	Lease No. 30-015-25492 30-015-03163

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	28	17S	29E					Eddy

Latitude N 32.81225° **Longitude** W 104.0774°

NATURE OF RELEASE

Type of Release: Produced water w/skim oil	Volume of Release **7 bbls**	Volume Recovered **5 bbls**
Source of Release Steel line	Date and Hour of Occurrence 10-09-2012	Date and Hour of Discovery **10-09-2012 11:00a.m.**
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour 8-15-2013 10.03am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Due to corrosion, a hole developed in a steel flowline causing the release of fluid. A temporary clamp has been installed on the clamp until the line can be replaced.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Selected areas with soils that exceeded RRAL were removed and hauled away for proper disposal if accessible. Liners were installed according to the work plan. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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:	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for COG)	Approved by District Supervisor:
Title: Project Manager, P.G.	Approval Date: / Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval: / Attached ☐
Date: 12/11/19 Phone: (432) 687-8110	

APPENDIX B

Water Well Data
Average Depth to Groundwater (ft)
COG - GJ West Coop
Eddy County, New Mexico

16 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21 61	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19 110	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 30 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

17 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22 79	23	24
30	29	28	27	26	25
31	32	33	34 53	35	36

17 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22 80	23	24
30	29 210 208'	28	27	26	25
31	32	33	34	35 153	36

17 South 30 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

18 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 65	36

18 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South 30 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data

APPENDIX C

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: June 9, 2010

Work Order: 10052814

Project Location: Eddy County, NM
Project Name: COG/GJ West Co-op South Water Distribution
Project Number: 114-6400524

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
233113	AH-1 0-1'	soil	2010-05-24	00:00	2010-05-27
233114	AH-1 1-1.5'	soil	2010-05-24	00:00	2010-05-27
233115	AH-1 2-2.5'	soil	2010-05-24	00:00	2010-05-27
233116	AH-1 3-3.5'	soil	2010-05-24	00:00	2010-05-27
233117	AH-1 4-4.5'	soil	2010-05-24	00:00	2010-05-27
233118	AH-1 5-5.5'	soil	2010-05-24	00:00	2010-05-27
233119	AH-1 6-6.5'	soil	2010-05-24	00:00	2010-05-27
233120	AH-1 7-7.5'	soil	2010-05-24	00:00	2010-05-27
233121	AH-1 8-8.5'	soil	2010-05-24	00:00	2010-05-27
233122	AH-1 9-9.5'	soil	2010-05-24	00:00	2010-05-27
233123	AH-2 0-1'	soil	2010-05-24	00:00	2010-05-27
233124	AH-2 1-1.5'	soil	2010-05-24	00:00	2010-05-27
233125	AH-2 2-2.5'	soil	2010-05-24	00:00	2010-05-27
233126	AH-2 3-3.5'	soil	2010-05-24	00:00	2010-05-27
233127	AH-2 4-4.5'	soil	2010-05-24	00:00	2010-05-27
233128	AH-2 5-5.5'	soil	2010-05-24	00:00	2010-05-27
233129	AH-2 6-6.5'	soil	2010-05-24	00:00	2010-05-27
233130	AH-2 7-7.5'	soil	2010-05-24	00:00	2010-05-27
233131	AH-2 8-8.5'	soil	2010-05-24	00:00	2010-05-27
233132	AH-2 9-9.5'	soil	2010-05-24	00:00	2010-05-27
233133	AH-3 0-1'	soil	2010-05-24	00:00	2010-05-27
233134	AH-4 0-1'	soil	2010-05-24	00:00	2010-05-27
233135	AH-4 1-1.5'	soil	2010-05-24	00:00	2010-05-27
233136	AH-4 2-2.5'	soil	2010-05-24	00:00	2010-05-27
233137	AH-4 3-3.5'	soil	2010-05-24	00:00	2010-05-27
233138	AH-4 4-4.5'	soil	2010-05-24	00:00	2010-05-27
233139	AH-4 5-5.5'	soil	2010-05-24	00:00	2010-05-27
233140	AH-4 6-6.5'	soil	2010-05-24	00:00	2010-05-27
233141	AH-4 7-7.5'	soil	2010-05-24	00:00	2010-05-27
233142	AH-4 8-8.5'	soil	2010-05-24	00:00	2010-05-27

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
233143	AH-4 9-9.5'	soil	2010-05-24	00:00	2010-05-27

Sample - Field Code	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
233113 - AH-1 0-1'	<50.0	<1.00
233123 - AH-2 0-1'	**77.3**	**17.2**
233133 - AH-3 0-1'	**66.0**	**5.93**
233134 - AH-4 0-1'	<50.0	<1.00

Sample: 233113 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**7520**	mg/Kg	4.00

Sample: 233114 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2950**	mg/Kg	4.00

Sample: 233115 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**4830**	mg/Kg	4.00

Sample: 233116 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**5670**	mg/Kg	4.00

Sample: 233117 - AH-1 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**5290**	mg/Kg	4.00

Sample: 233118 - AH-1 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**5560**	mg/Kg	4.00

Sample: 233119 - AH-1 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**6040**	mg/Kg	4.00

Sample: 233120 - AH-1 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**6410**	mg/Kg	4.00

Sample: 233121 - AH-1 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**6000**	mg/Kg	4.00

Sample: 233122 - AH-1 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**6300**	mg/Kg	4.00

Sample: 233123 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**11100**	mg/Kg	4.00

Sample: 233124 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**11000**	mg/Kg	4.00

Sample: 233125 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3220**	mg/Kg	4.00

Sample: 233126 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**3490**	mg/Kg	4.00

Sample: 233127 - AH-2 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**4610**	mg/Kg	4.00

Sample: 233128 - AH-2 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**4520**	mg/Kg	4.00

Sample: 233129 - AH-2 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**4310**	mg/Kg	4.00

Sample: 233130 - AH-2 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**2290**	mg/Kg	4.00

Sample: 233131 - AH-2 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**2570**	mg/Kg	4.00

Sample: 233132 - AH-2 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**3150**	mg/Kg	4.00

Sample: 233133 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**18300**	mg/Kg	4.00

Sample: 233134 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**15700**	mg/Kg	4.00

Sample: 233135 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**4250**	mg/Kg	4.00

Sample: 233136 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**5250**	mg/Kg	4.00

Sample: 233137 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**5990**	mg/Kg	4.00

Sample: 233138 - AH-4 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**8990**	mg/Kg	4.00

Sample: 233139 - AH-4 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**8240**	mg/Kg	4.00

Sample: 233140 - AH-4 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**7470**	mg/Kg	4.00

Sample: 233141 - AH-4 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**6750**	mg/Kg	4.00

Sample: 233142 - AH-4 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**5170**	mg/Kg	4.00

Sample: 233143 - AH-4 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**4850**	mg/Kg	4.00

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: October 22, 2010

Work Order: 10100715

Project Location: Eddy County, NM
Project Name: COG/GJ West Co-op Inj. Line
Project Number: 114-6400691

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246918	AH-1 0-1'	soil	2010-10-04	00:00	2010-10-07
246919	AH-1 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246920	AH-1 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246921	AH-1 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246922	AH-2 0-1'	soil	2010-10-04	00:00	2010-10-07
246923	AH-2 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246924	AH-2 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246925	AH-2 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246926	AH-2 4-4.5'	soil	2010-10-04	00:00	2010-10-07
246927	AH-2 5-5.5'	soil	2010-10-04	00:00	2010-10-07
246928	AH-2 6-6.5'	soil	2010-10-04	00:00	2010-10-07
246929	AH-2 7-7.5'	soil	2010-10-04	00:00	2010-10-07
246930	AH-2 8-8.5'	soil	2010-10-04	00:00	2010-10-07
246931	AH-2 9-9.5'	soil	2010-10-04	00:00	2010-10-07
246932	AH-3 0-1'	soil	2010-10-04	00:00	2010-10-07
246933	AH-3 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246934	AH-3 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246935	AH-3 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246936	AH-3 4-4.5'	soil	2010-10-04	00:00	2010-10-07
246937	AH-3 5-5.5'	soil	2010-10-04	00:00	2010-10-07
246938	AH-3 6-6.5'	soil	2010-10-04	00:00	2010-10-07
246939	AH-3 7-7.5'	soil	2010-10-04	00:00	2010-10-07
246940	AH-3 8-8.5'	soil	2010-10-04	00:00	2010-10-07
246941	AH-3 9-9.5'	soil	2010-10-04	00:00	2010-10-07
246942	AH-4 0-1'	soil	2010-10-04	00:00	2010-10-07
246943	AH-4 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246944	AH-4 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246945	AH-4 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246946	AH-4 4-4.5'	soil	2010-10-04	00:00	2010-10-07
246947	AH-4 5-5.5'	soil	2010-10-04	00:00	2010-10-07

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246948	AH-4 6-6.5'	soil	2010-10-04	00:00	2010-10-07
246949	AH-4 7-7.5'	soil	2010-10-04	00:00	2010-10-07
246950	AH-4 8-8.5'	soil	2010-10-04	00:00	2010-10-07
246951	AH-4 9-9.5'	soil	2010-10-04	00:00	2010-10-07
246952	AH-5 0-1'	soil	2010-10-04	00:00	2010-10-07
246953	AH-5 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246954	AH-5 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246955	AH-5 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246956	AH-5 4-4.5'	soil	2010-10-04	00:00	2010-10-07
246957	AH-5 5-5.5'	soil	2010-10-04	00:00	2010-10-07
246958	AH-5 6-6.5'	soil	2010-10-04	00:00	2010-10-07
246959	AH-5 7-7.5'	soil	2010-10-04	00:00	2010-10-07
246960	AH-5 8-8.5'	soil	2010-10-04	00:00	2010-10-07
246961	AH-5 9-9.5'	soil	2010-10-04	00:00	2010-10-07
246962	AH-6 0-1'	soil	2010-10-04	00:00	2010-10-07
246963	AH-6 1-1.5'	soil	2010-10-04	00:00	2010-10-07
246964	AH-6 2-2.5'	soil	2010-10-04	00:00	2010-10-07
246965	AH-6 3-3.5'	soil	2010-10-04	00:00	2010-10-07
246966	AH-6 4-4.5'	soil	2010-10-04	00:00	2010-10-07
246967	AH-6 5-5.5'	soil	2010-10-04	00:00	2010-10-07
246968	AH-6 6-6.5'	soil	2010-10-04	00:00	2010-10-07
246969	AH-6 7-7.5'	soil	2010-10-04	00:00	2010-10-07
246970	AH-6 8-8.5'	soil	2010-10-04	00:00	2010-10-07
246971	AH-6 9-9.5'	soil	2010-10-04	00:00	2010-10-07

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
246918 - AH-1 0-1'					<50.0	<1.00
246922 - AH-2 0-1'	<0.200	**0.293**	<0.200	**0.612**	**6410**	**104**
246923 - AH-2 1-1.5'					<50.0	<1.00
246924 - AH-2 2-2.5'					**96.0**	<1.00
246932 - AH-3 0-1'					**88.1**	<1.00
246942 - AH-4 0-1'	<0.200	**1.78**	**4.87**	**12.7**	**8060**	**1430**
246943 - AH-4 1-1.5'					<250	**590**
246944 - AH-4 2-2.5'					**151**	<1.00
246952 - AH-5 0-1'	<0.0500	<0.0500	**0.304**	**0.358**	**71.1**	**91.3**
246962 - AH-6 0-1'	<0.500	**0.701**	**14.4**	**13.9**	**4400**	**1320**
246963 - AH-6 1-1.5'					**1830**	**5820**
246964 - AH-6 2-2.5'					**2150**	**11100**
246965 - AH-6 3-3.5'					**2160**	**1560**
246966 - AH-6 4-4.5'					**2380**	**3260**
246967 - AH-6 5-5.5'					**2320**	**2050**
246968 - AH-6 6-6.5'					**929**	**1500**
246969 - AH-6 7-7.5'					**1950**	**926**
246970 - AH-6 8-8.5'					**2080**	**1040**
246971 - AH-6 9-9.5'					**3690**	**917**

Sample: 246918 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**5280**	mg/Kg	4.00

Sample: 246919 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**3820**	mg/Kg	4.00

Sample: 246920 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3940**	mg/Kg	4.00

Sample: 246921 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**4860**	mg/Kg	4.00

Sample: 246922 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**4040**	mg/Kg	4.00

Sample: 246923 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2580**	mg/Kg	4.00

Sample: 246924 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**1160**	mg/Kg	4.00

Sample: 246925 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1370**	mg/Kg	4.00

Sample: 246926 - AH-2 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**1000**	mg/Kg	4.00

Sample: 246927 - AH-2 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**913**	mg/Kg	4.00

Sample: 246928 - AH-2 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**977**	mg/Kg	4.00

Sample: 246929 - AH-2 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**1120**	mg/Kg	4.00

Sample: 246930 - AH-2 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**2100**	mg/Kg	4.00

Sample: 246931 - AH-2 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**3810**	mg/Kg	4.00

Sample: 246932 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**279**	mg/Kg	4.00

Sample: 246933 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 246934 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**694**	mg/Kg	4.00

Sample: 246935 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1260**	mg/Kg	4.00

Sample: 246936 - AH-3 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**3240**	mg/Kg	4.00

Sample: 246937 - AH-3 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**8300**	mg/Kg	4.00

Sample: 246938 - AH-3 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**8830**	mg/Kg	4.00

Sample: 246939 - AH-3 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**10900**	mg/Kg	4.00

Sample: 246940 - AH-3 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**9460**	mg/Kg	4.00

Sample: 246941 - AH-3 9-9.5'

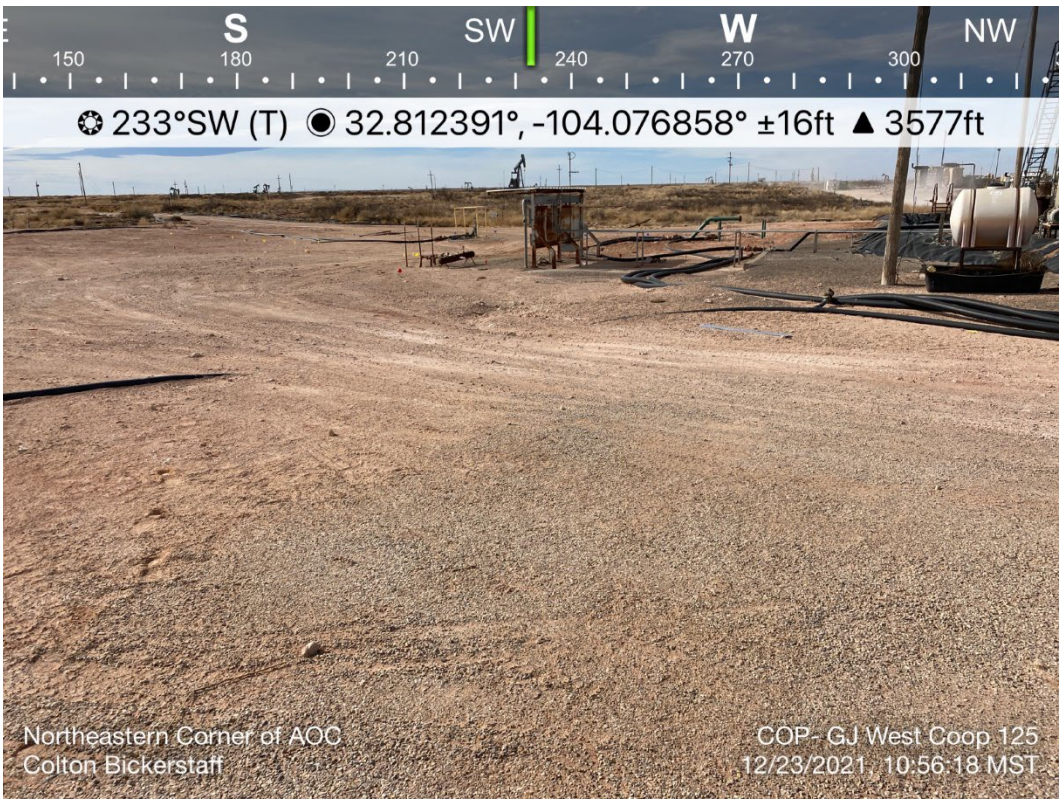
Param	Flag	Result	Units	RL
Chloride		**8750**	mg/Kg	4.00

APPENDIX D
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View east of northwestern corner of inspection area.	1
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

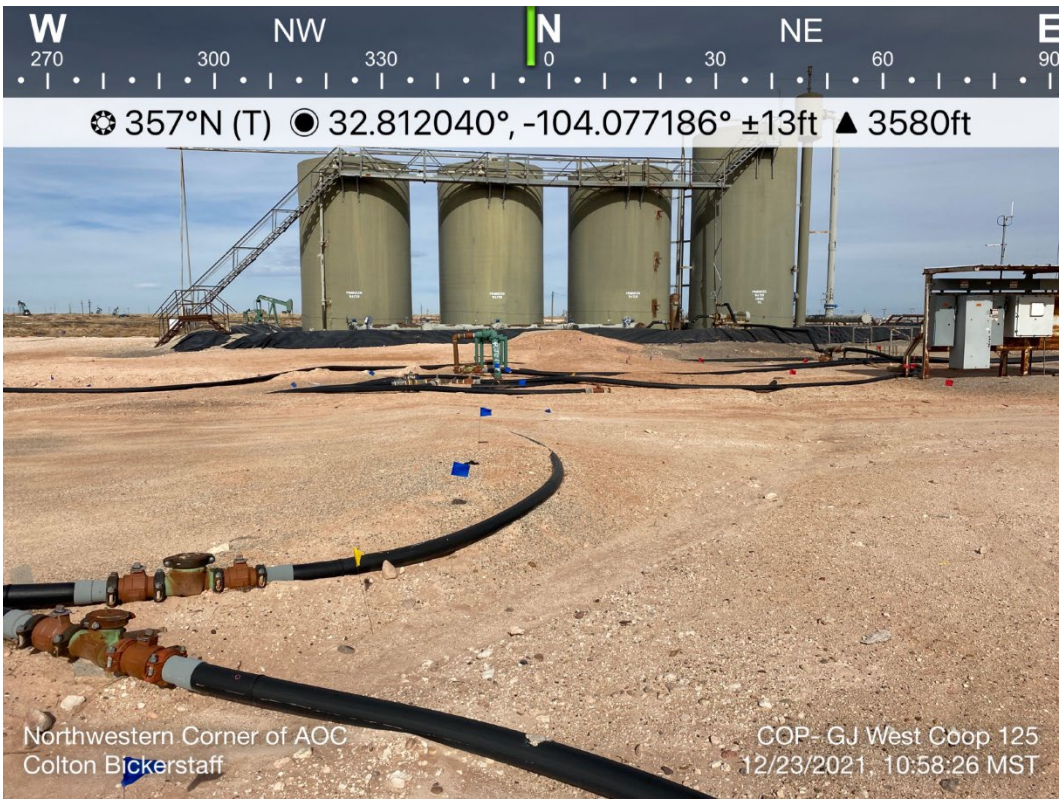
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View east-southeast of northwestern corner of inspection area.	2
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southeast-south of northwestern corner of inspection area.	3
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



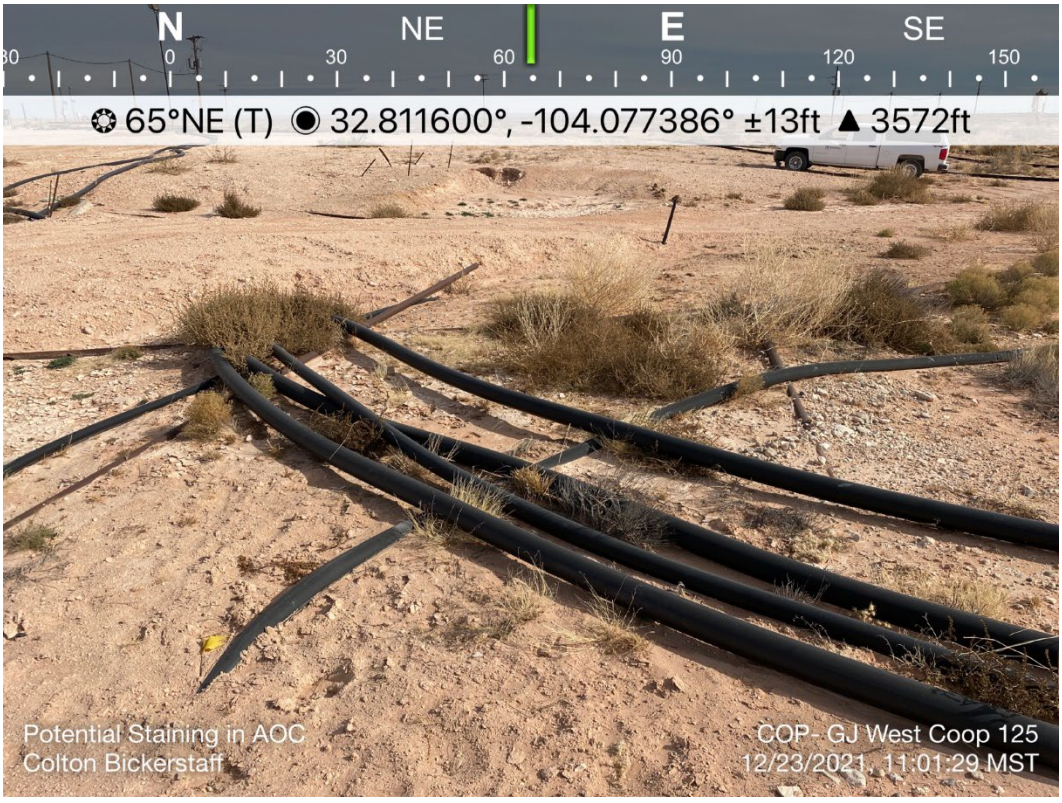
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southwest of northeastern corner of inspection area.	4
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View west of northeastern corner of inspection area.	5
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



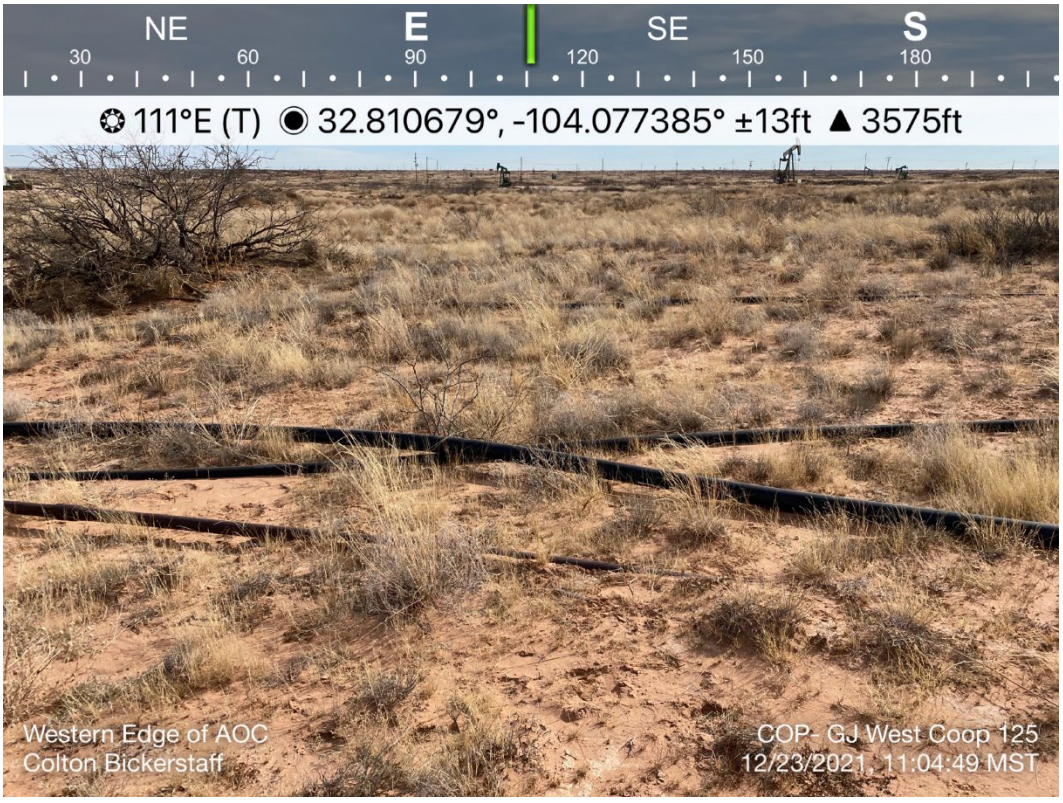
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View north of northwestern corner of inspection area.	6
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southwest of northwestern corner of inspection area.	7
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

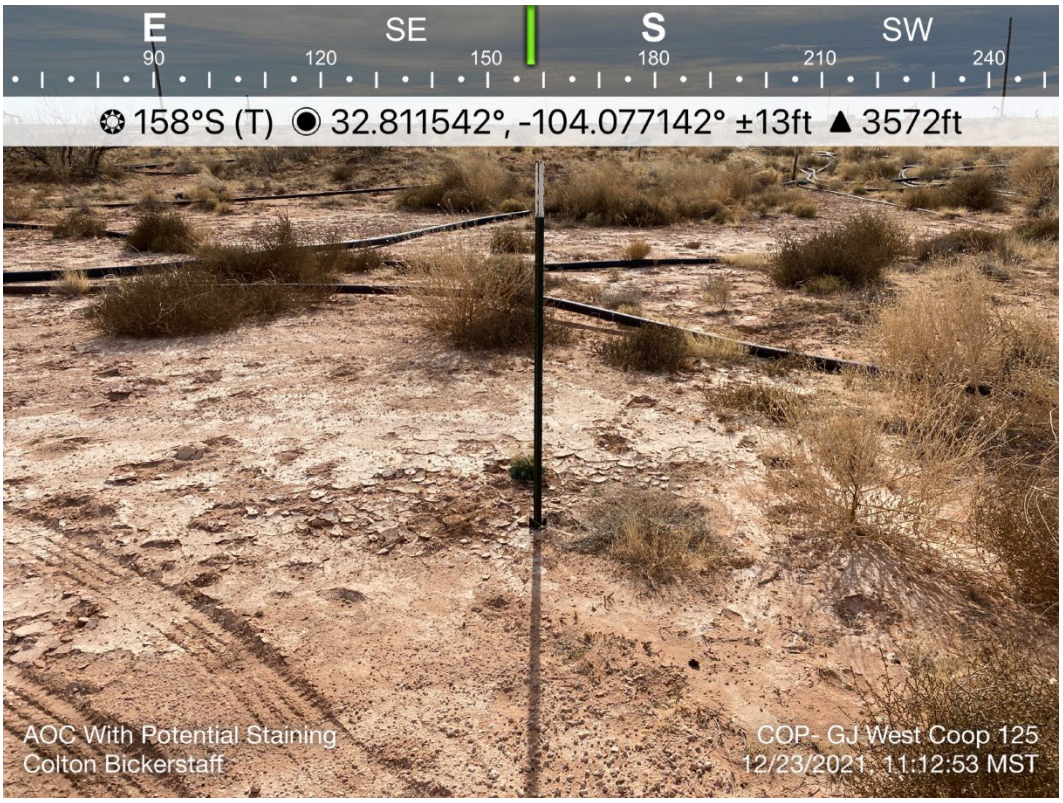


TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View northeast-east of flowlines in inspection area.	8
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

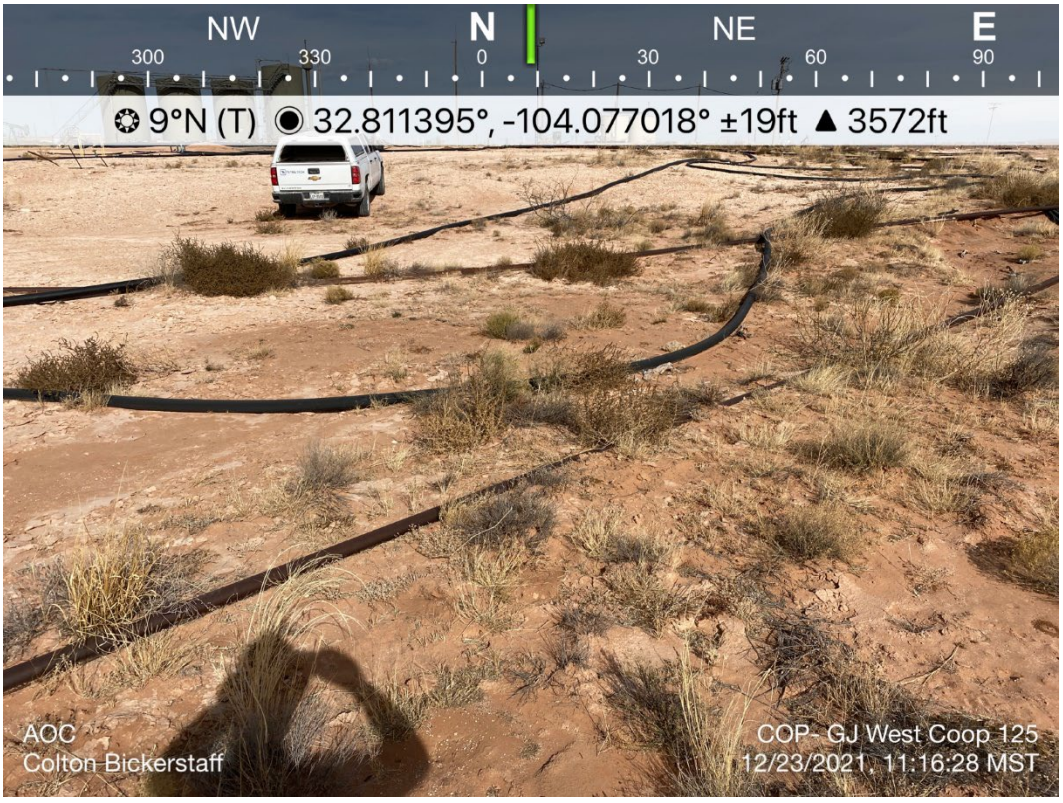
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View north-northeast of surface flowlines in inspection area.	9
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



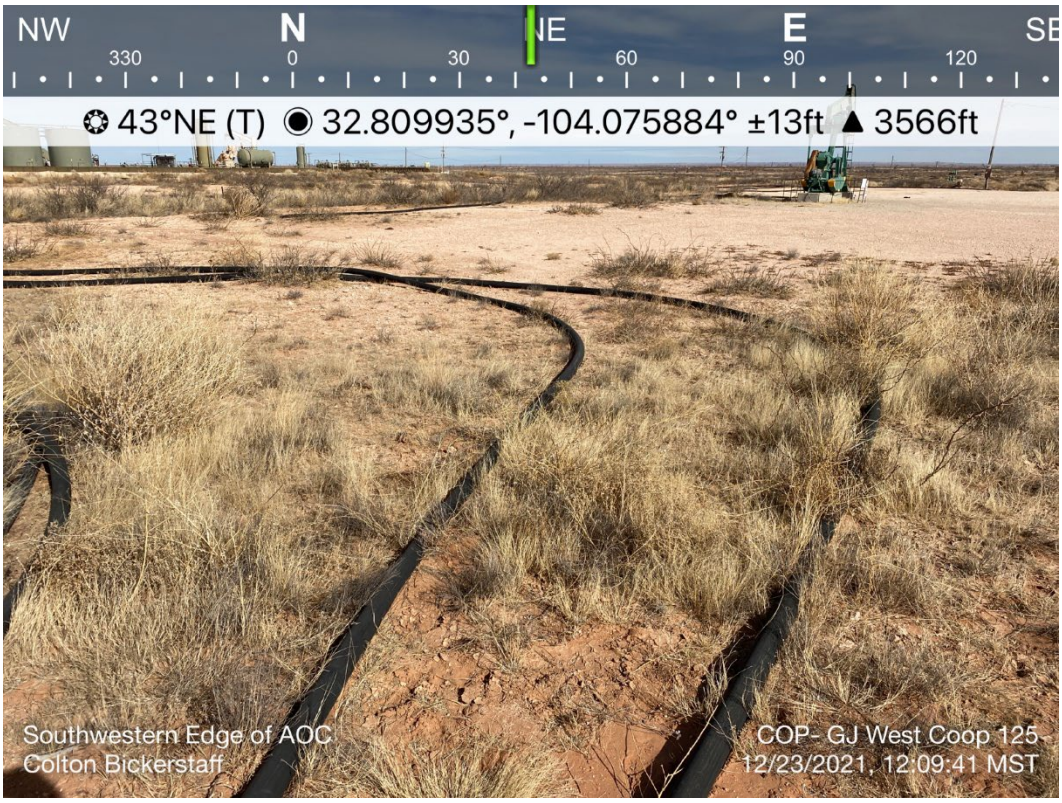
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View east-southeast of western edge of inspection area.	10
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



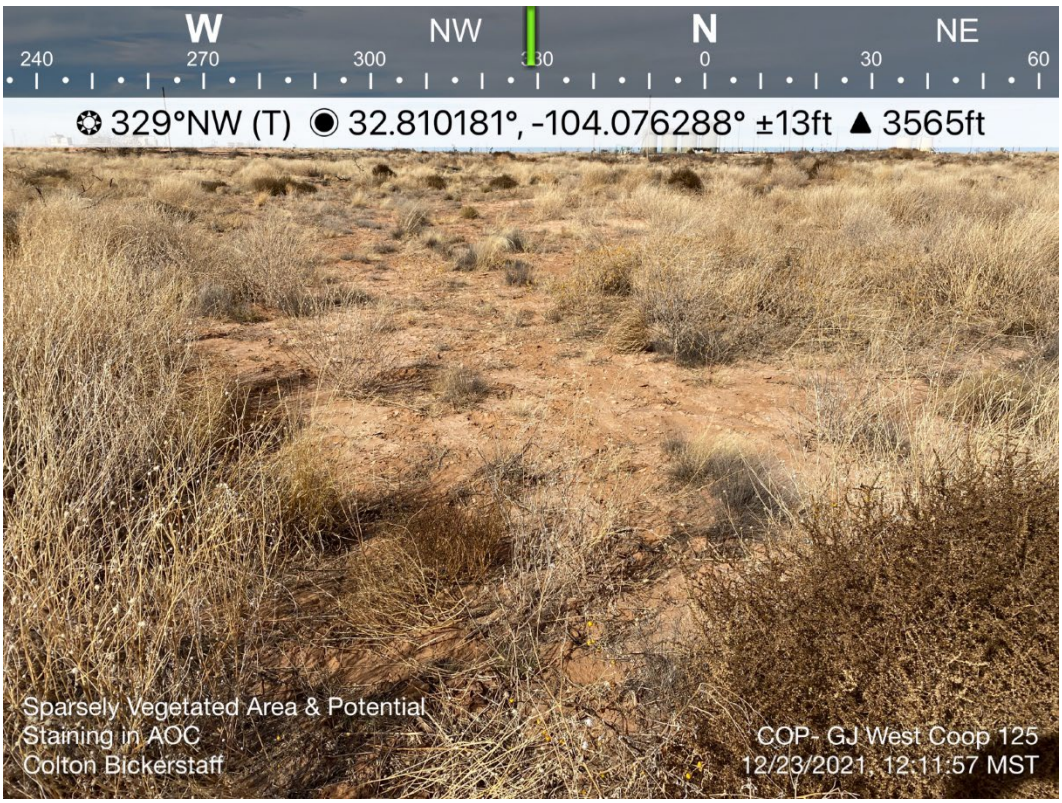
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southeast-south of potential staining in inspection area.	11
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



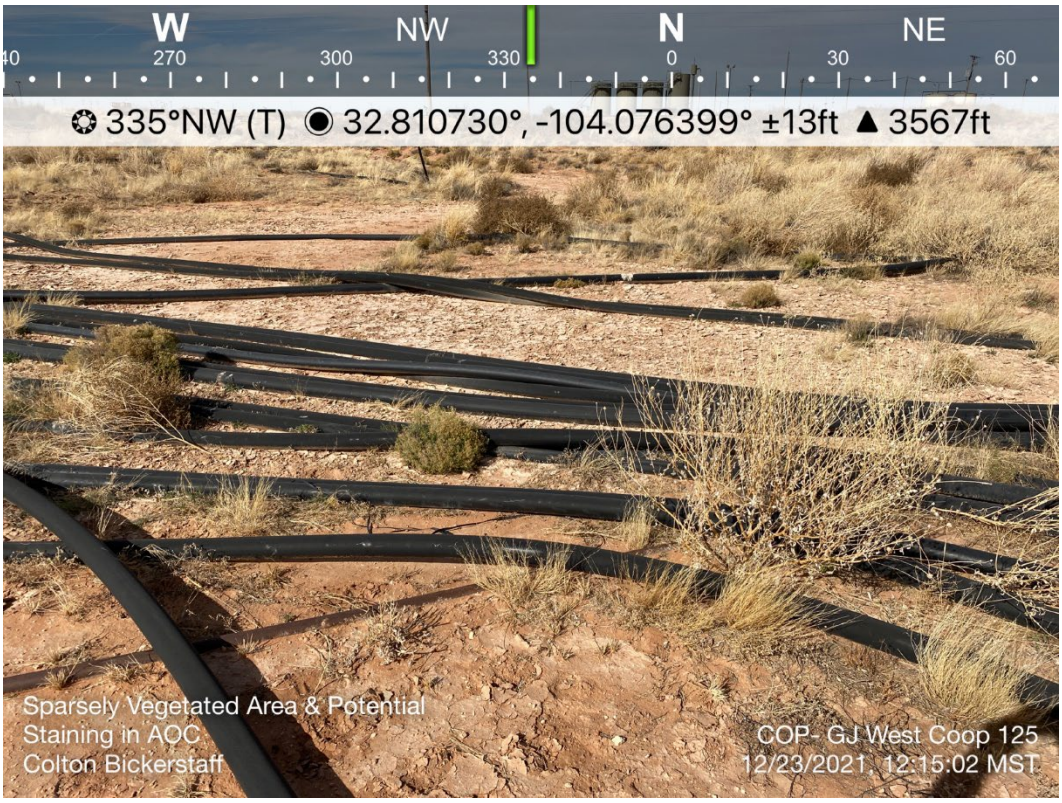
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View north of southeastern edge of lease pad in inspection area.	12
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



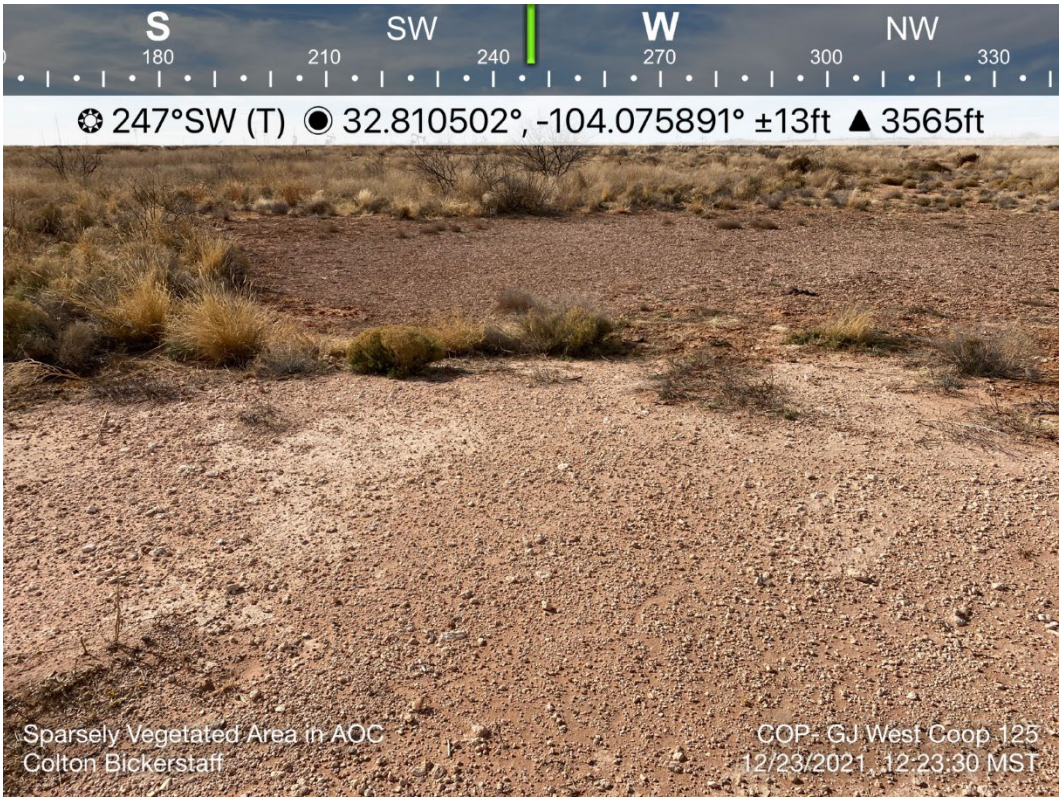
TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View northeast of southwestern edge of inspection area.	13
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View northwest of sparsely vegetated area and potential staining in inspection area.	14
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

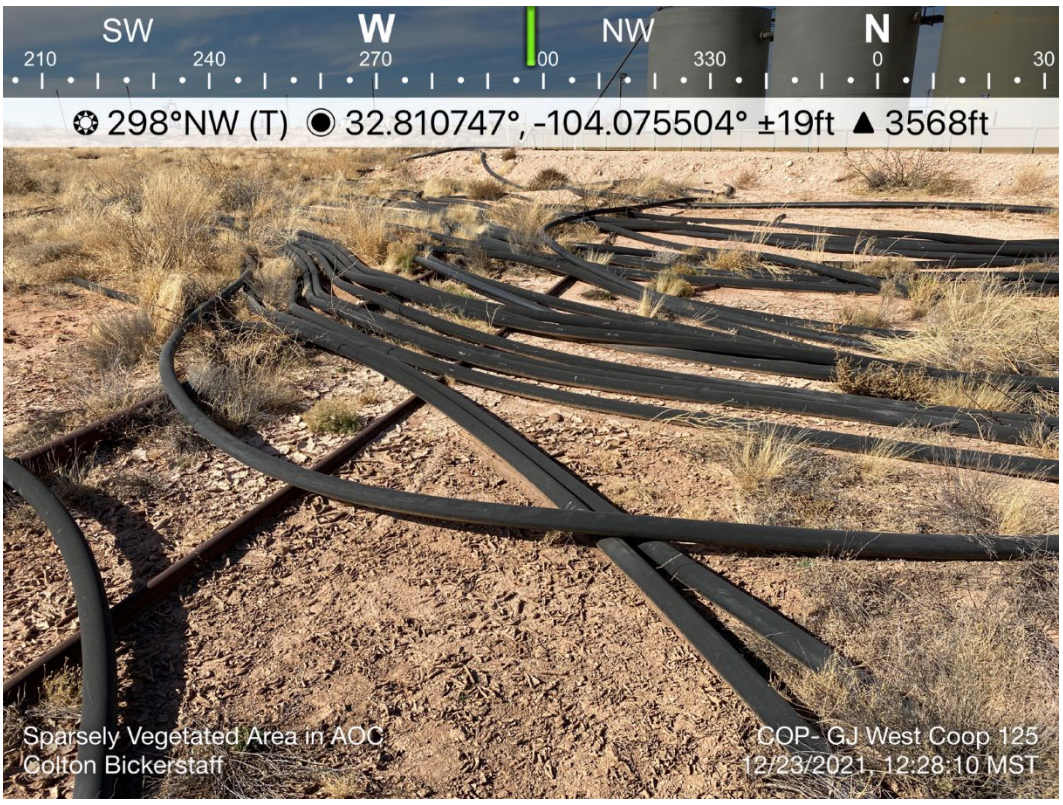


TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View northwest-north of sparsely vegetated area and potential staining in inspection area.	15
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southwest-west of sparsely vegetated area in inspection area.	16
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View southeast-south of sparsely vegetated area in inspection area.	17
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02622	DESCRIPTION	View west-northwest of surface flowlines in inspection area.	18
	SITE NAME	ConocoPhillips: GJ West Coop 125 Site Visit	12/23/2021

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 72515

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 72515
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	This particular incident is closed, Deferrals for other releases on location remain in effect. For ultimate closure when site is decommissioned, a more accurate depth to GW will need to be determined and Section13 of Rule 29 will need to be addressed.	3/4/2022