

January 13, 2022

District Supervisor Oil Conservation Division, District 1 1625 North French Drive Hobbs, New Mexico 88240

Re: Release Characterization and Closure Request ConocoPhillips Heritage Concho BKU Central Battery SWD (BKU 221) Unit Letter J, Section 24, Township 17 South, Range 29 East Eddy County, New Mexico Incident ID# nAB1430052012

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a Heritage Concho release and subsequent remedial actions taken at the Burch Keely Unit (BKU) Central Battery Saltwater Disposal (SWD) facility, which is adjacent to the BKU #221 well (API No. 30-015-27764). The release footprint is located in Public Land Survey System (PLSS) Unit Letter J, Section 24, Township 17 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.819596°, -104.026344°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation District (NMOCD) C-141 Initial Report, the release was discovered on October 10, 2014. The C-141 reports that the release was caused by a failed plunger on a triplex pump. Approximately 45 barrels (bbls) of produced water were released into an approximately 10-foot by 30-foot bermed containment. Vacuum trucks were dispatched to recover approximately 40 bbls of produced water, and the pump was replaced. The release stayed within the bermed containment, with no release to pasture. The New Mexico Oil Conservation District (NMOCD) approved the initial C-141 on October 27, 2014 and subsequently assigned the release the Incident ID nAB1430052012. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

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

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE database located within approximately ½ mile (800 meters) of the site. According to data from two (2) water wells listed in the NMOSE database within approximately 2.5 miles (4,000 meters) of the site, the depth to groundwater is 78 feet below ground surface (bgs). The site characterization data are presented in Appendix B.

Release Characterization and Closure Request January 13, 2022

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
ТРН	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
ТРН	100 mg/kg
BTEX	50 mg/kg

INITIAL RESPONSE ACTIVITIES AND CLOSURE REQUEST

Following the release and prior to sampling, Concho called a daylighting crew to the Site to spot lines. To do so, a trench was excavated by means of a hydrovac truck. The trench revealed twenty-four (24) buried lines that run throughout the facility.

Concho submitted a letter dated March 18, 2015 to NMOCD following the initial response actions, requesting deferral of remediation at the facility due to safety concerns for those excavating. The deferral letter is included as Appendix C. In an email dated March 20, 2015, NMOCD agreed that the Site is a good candidate for deferment, but required that a Site delineation be performed to the extent that can be achieved safely. The NMOCD correspondence is included as Appendix D.

SITE ASSESSMENT AND SAMPLING RESULTS

In order to comply with the NMOCD directive given in the March 20, 2015 email, Concho was onsite on March 20, 2019 to install two hand auger soil borings (AH-1 and AH-2) within the release extent to total depths of 4.5 feet, where refusal was met. The exact sample locations within the release extent were not documented. A total of ten (10) soil samples were collected from the two borings and sent to Xenco Laboratories in Midland, Texas to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M and BTEX via EPA Method 8261B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E.

Analytical results from the 2019 assessment activities are summarized in Table 1. All analytical results were below the applicable Site RRALs for soils in active oil and gas production areas.

SITE RECLAMATION AND RESTORATION PLAN

Based on the site characterization, the impacted surface area of the release on the production lease pad meets the remediation standards of Table I of 19.15.29.12 NMAC. As these areas are needed for production operations, final reclamation of any impact within the lease pad areas shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas

Release Characterization and Closure Request January 13, 2022

ConocoPhillips

operations. Therefore, reclamation of the soils located within the confines of the BKU Central Battery SWD lease pad will be delayed until the abandonment of the facility and the full pad reclamation.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips considers the current release footprint to be fully delineated. All analytical results associated with the on-pad site assessment were below applicable Site RRALs following the initial response actions; therefore, no further remediation of the release footprint is necessary. The remaining contamination is on an active, developed oil and gas production pad, fully delineated, and does not cause an imminent risk to human health, the environment, or groundwater. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC during the initial response activities.

Based on the above, ConocoPhillips respectfully requests closure for this release. Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 739-7874.

Sincerely, Tetra Tech, Inc.

Samantha Abbott, P.G. Project Manager

cc: Mr. Ike Tavarez, RMR – ConocoPhillips Mr. Charles Beauvais, BU – ConocoPhillips Release Characterization and Closure Request January 13, 2022

ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map Figure 2 – Topographic Map Figure 3 – Approximate Release Extent

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

Appendix A – C-141 Forms

Appendix B – Site Characterization Data

Appendix C – Deferment Request Letter (March 18, 2015)

Appendix D – NMOCD Correspondence

Appendix E - Laboratory Analytical Data

FIGURES



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TABLE

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - 2RP-2565 HERITAGE CONCHO BKU CENTRAL BATTERY SWD RELEASE LEA COUNTY, NM

		Sample Depth									BTEX ²											ТР	H ³		
Sample ID	Sample Date	Sample Depth	Chloride ¹		Benzene		Toluene		Ethylbenzer	ne	m,p-Xylenes		o-Xylene		Total Xylene	s	Total BTEX		GRO		DRO		MRO		Total TPH
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1	300		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00201		< 0.00201		< 0.00201		< 15.0		22.3		< 15.0		22.3
		1.5	231		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00199		< 0.00199		< 0.00199		< 15.0		< 15.0		< 15.0		< 15.0
AH-1	3/20/2019	2.5	302		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00199		< 0.00199		< 0.00199		< 14.9		< 14.9		< 14.9		< 14.9
		3.5	439		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
		4.5 (Refusal)	955		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
		0-1	127		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00200		< 0.00200		< 0.00200		< 15.0		< 15.0		< 15.0		< 15.0
		1.5	105		< 0.00200		< 0.00200		< 0.00200		< 0.00401		< 0.00200		< 0.00200		< 0.00200		< 15.0		18.3		< 15.0		18.3
AH-2	3/20/2019	2.5	24.8		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00201		< 0.00201		< 0.00201		< 15.0		27.4		< 15.0		27.4
		3.5	31.3		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
		4.5 (Refusal)	32.0		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

MRO Motor Oil range organics

NS Sample not analyzed for parameter

1 EPA Method 300.0

2 EPA Method 8021B

3 Method SW8015 Mod

APPENDIX A C-141 Forms

eived by OC	C D: 1/14/2	022 10:20:	41 AM						DNSERV			age 12 o			
<u>District I</u> 1625 N. French <u>[</u> District <u>11</u>	Dr., Hobbs, N	M 88240				New Mexi and Natura			2 4 2014		Forn Revised Augu	n C-141 st 8, 2011			
311 S. First St., A District III	Artesia, NM 8	8210				ation Div		Sub	mit 1 Copy	to appro	nriate District	Office in			
000 Rio Brazos District IV	Road, Aztec,	NM 87410				St. Franc		REC	CEIVED	ordance	e with 19.15.29	NMAC.			
220 S. St. Franc	sis Dr., Santa∣	Fe, NM 87505				, NM 875					a an				
			Rele	ease Notifi	cation	and Co	rrective A	ction	l						
<u>NABI</u>	4300.	52012	3			OPERAT			🛛 Initia	l Repor	t 🗌 Fin	al Report			
Name of Con Address: 600				d TX 79701			bert McNeill 10. 432-230-007	7				- · ·			
			<u>,</u>	SWD (BEV 2		Facility Typ									
Surface Owr	ner: Fee			Mineral (- Dwner: F	ee			API No.	N/A	30-015	-27			
	2			LOC	ATION	I OF REI	LEASE								
Unit Letter J	Section 24	Township 17S	Range 29E	Feet from the N/A	North/	South Line N/A	Feet from the N/A]	West Line N/A		County Eddy				
		32.8	117	Latitude N32	2' 49.180	Longitude	w 104' 01.569	l	04,02	le Z					
·				NA	TURE	OF RELI									
Type of Relea Produced Wat						Volume of 45 bbls PW			Volume R 40 bbls PV		d:				
Source of Rel	-			· · · · · · · · · · · · · · · · · · ·	-	Date and H	lour of Occurrenc	e:	Date and I	lour of	Discovery:				
Pump failure Was Immedia	ate Notice Gi	iven?				10-10-2014 12:00 pm 10-10-2014 12:00 pm If YES, To Whom? 10-10-2014 12:00 pm									
			Yes 🗌] No 📋 Not R	equired	Mike Brate									
By Whom? Was a Waterc	Amanda Ti						lour: 10-16-2014 Jume Impacting t								
Describe Caus The release w					acuum tri	ucks were dis	patched to remov	e any st	tanding fluic	ls and th	ne pump was re	placed.			
Describe Area	a Affected a	nd Cleanup A	Action Ta	ken.*											
							oncho will have t OCD for approva								
regulations al public health should their o	Il operators a or the enviro operations ha nment. In ac	re required to onment. The ive failed to a ldition, NMC	o report a acceptan idequatel CD acce	nd/or file certain ce of a C-141 rep y investigate and	release no ort by the remediate	otifications a NMOCD m contaminati	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	etive act eport" of reat to g respons	tions for release does not relia round water sibility for co	eases where the surfaction of the series of	nich may endan operator of liab e water, human ce with any oth	iger bility health			
				Ve			<u>OIL CON</u>	SERV	<u>ATION</u>		<u>SIQN</u>				
Signature:						Approved by	Environmental S	pecialis	st: He		/	-			
Printed Name Title: Senior I			tor			Approval Da	te: 10/27/	M	Expiration	Date:	NA				
E-mail Addre	ess: atruiillo	@concho.con	n			Conditions o	f Approval:								
				575 749 2040	Remed	iation per	O.C.D. Rules	s & Gi	uidelines	Attac	hed				
Date: Octo Attach Addit	tional Shee				UBMI	T REMED	iation prof	OSA	LNO	1		0 11.			
			5		ATER	THAN:	11/2/14	-			ZRF	7.25G			

.

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.

Received by OCD: 1/14/20	22 10:20:41 AM State of New Mexico			Page 14 of 59
			Incident ID	
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are public health or the environm failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name Signature:	rmation given above is true and complete to the b required to report and/or file certain release notif ment. The acceptance of a C-141 report by the O rate and remediate contamination that pose a three of a C-141 report does not relieve the operator of n	Tications and perform concernent	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger nould their operations have a or the environment. In ederal, state, or local laws
OCD Only				
Received by:		Date:		

Page 6

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.

<u>Closure Report Attachment Checklist</u>: Each of the following it	tems 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									
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the cor accordance with 19.15.29.13 NMAC including notification to the O	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in								
Signature: _ /4 7									
	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, 11:39:43 AM

- OSE Water-bodies
- PLJV Probable Playas
- OSE Streams



Esri, HERE, Garmin, iPC, Maxar





(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)	(0	•					2=NE 3 st to lar	s=SW 4⊧ gest)		D83 UTM in me	eters)	(In feet)	
POD Number	POD Sub- Code basin C	ountv	Q 64	_	_	Sec	Tws	Rna		х	Y	Distance	-	-	Water Column
RA 11914 POD1	RA	ED						30E	5948	01	3632002 🌍	3671	85	80	5
RA 11807 POD1	RA	ED	1	2	3	22	17S	29E	5873	60	3631585 🌍	3783	131	76	55
											Avera	ge Depth to	Water:	78	feet
												Minimum	Depth:	76	feet
												Maximum	Depth:	80	feet
Record Count: 2															

UTMNAD83 Radius Search (in meters):

Easting (X): 591141

Northing (Y): 3631707

Radius: 4000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX C Deferral Request Letter (March 18, 2015)



March 18, 2015

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

Mr. Bratcher,

This letter is in response to the C-141 Initial report dated October 24, 2014 for the BKU Central Tank Battery SWD. This release was caused by a plunger on a triplex pump failing and causing the release of 45 bbls of produced water. The impacted area was confined to the bermed area of the facility. This area is classified as a site ranking of zero with depth to groundwater at 175' to 200' depth per the Chevron Trend Maps (2003).

Prior to sampling a daylighting crew was called in to spot lines and a trench was excavated by means of a hydrovac truck. The trench revealed 24 buried lines. These lines run throughout the facility. At this time COG Operating LLC would like to request closure based on safety concerns for those excavating. Cleanup to meet NMOCD RRALs for a site ranking of zero can be addressed at the time of abandonment. If you have any additional questions or would like to discuss this further, Please feel free to contact me at 575-748-6930.

Sincerely,

Trujille

Amanda Trujillo

Enclosed

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

CORPORATE ADDRESS One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 PHONE 432.683.7443 | FAX 432.683.7441 LOCAL ADDRESS Concho West | 2208 Main Street | Artesia, New Mexico 88210 PHONE 575.748.6940 | FAX 575.746.2096



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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 August 8, 2011

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505													
			Rele	ease Notific	atio	n and Co	orrective A	ction					
						OPERA	ΓOR	Ľ] Initia	l Report		Final Report	
Name of Co	mpany: C	OG Operati	ng LLC			Contact: Ro	bert McNeill						
Address: 60	0 West Ill	inois Avenue	e, Midlan	d TX 79701		Telephone N	No. 432-230-00	77					
Facility Nar	ne: BKU (Central Tank	Battery S	SWD		Facility Typ	e: Facility						
Surface Ow	ner: Fee			Mineral C	wner:	Fee			API No.	N/A			
LOCATION OF RELEASE													
Unit Letter	Section	Township	Range	Feet from the	North	N/South Line	Feet from the	East/We	st Line		County	/	
J	24	17S	29E	N/A		N/A	N/A	N/.	A		Eddy		
	Latitude N32' 49.180 Longitude W104' 01.569												
				NAT	URE	OF REL	EASE						
Type of Relea						Volume of				ecovered:			
Produced Wa	ter					45 bbls PV			40 bbls PW				
Source of Re	lease:						Iour of Occurrenc		Date and Hour of Discovery:				
Pump failure						10-10-2014 12:00 pm 10-10-2014 12:00 pm							
Was Immedia	ate Notice C	Given?				If YES, To Whom?							

Type of Release:	Volume of Release:	Volume Re								
Produced Water	45 bbls PW	40 bbls PW								
Source of Release:	Date and Hour of Occurrence:		our of Discovery:							
Pump failure	10-10-2014 12:00 pm	10-10-2014	12:00 pm							
Was Immediate Notice Given?	If YES, To Whom?									
🛛 Yes 🗌 No 🗌 Not Required	d Mike Bratcher – OCD									
By Whom? Amanda Trujillo	Date and Hour: 10-16-2014 8:01 pm									
Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.										
🗌 Yes 🖾 No										
If a Watercourse was Impacted, Describe Fully.*										
Describe Cause of Problem and Remedial Action Taken.*										
The release was caused by a plunger on a triplex pump failing. Vacuum the	rucks were dispatched to remove any	standing fluids	s and the pump was replaced.							
			1							
Describe Area Affected and Cleanum Action Teleon *										
Describe Area Affected and Cleanup Action Taken.*										
Prior to sampling a daylighting crew was called into spot lines and a trend	h was excavated by means of a hydro	ovec truck. The	e trench revealed 24 buried							
lines. These lines run throughout the facility. At this time COG Operating										
Cleanup to meet NMOCD RRALs for a site ranking of zero can be address		used on surery	concerns for mose excavating.							
	sed at the time of abandonment.									
I hereby certify that the information given above is true and complete to t	he best of my knowledge and underst	and that pursu	ant to NMOCD rules and							
regulations all operators are required to report and/or file certain release r										
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report"	does not relieve	ve the operator of liability							
should their operations have failed to adequately investigate and remediat										
or the environment. In addition, NMOCD acceptance of a C-141 report of										
federal, state, or local laws and/or regulations.		•	-							
	OIL CONSER	VATION I	DIVISION							
Atrijelle										
Signature:										
	Approved by Environmental Special	ist:								
Printed Name: Amanda Trujillo										
Title: Senior Environmental Coordinator	Approval Date:	Expiration D	ate:							
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached							
Date: March 16, 2015 Phone: 575-748-6940										
Attach Additional Sheets If Necessary										

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in

1000 Rio Brazos Road, Aztec, NM 87410	1220 Sou	ith St. France	vision vic Dr	accordance with 19.15.29 N					
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		Fe, NM 875							
Releas	e Notificati	-		ction					
Trefous	e i totilicati	OPERA			l Report		inal Rep		
Name of Company: COG Operating LLC			bert McNeill		пкероп		mai Kep		
Address: 600 West Illinois Avenue, Midland T.	X 79701		No. 432-230-00						
Facility Name: BKU Central Tank Battery SW		Facility Typ							
		· · · · ·	Jo. I donity						
Surface Owner: Fee	Mineral Owner	r: Fee		API No.	. N/A				
		ON OF RE	1						
Unit Letter Section Township Range Fe J 24 17S 29E	et from the Nor N/A	rth/South Line N/A	Feet from the N/A	East/West Line N/A		County Eddy			
La	titude N32' 49.	180 Longitud	e W104' 01.569	· · · · · · · · · · · · · · · · · · ·					
	NATUR	E OF REL	EASE						
Type of Release:		Volume of		Volume R					
Produced Water Source of Release:		45 bbls PV	V Iour of Occurrenc	40 bbls PV					
Pump failure			4 12:00 pm		Hour of Dis 4 12:00 pm				
Was Immediate Notice Given?		If YES, To		10-10-201	4 12.00 pm	<u> </u>			
) 🗌 Not Require		cher – OCD						
By Whom? Amanda Trujillo		Date and H	Iour: 10-16-2014	8:01 pm					
Was a Watercourse Reached?			olume Impacting t						
🗌 Yes 🖾 No)								
Describe Cause of Problem and Remedial Action Tal The release was caused by a plunger on a triplex pun		trucks were dis	spatched to remov	e any standing fluid	s and the p	ump was	replaced.		
Describe Area Affected and Cleanup Action Taken.* The impacted area was with in the bermed facility in contamination from the release and we will present a	an area approxima	ttely 10'x30'. C	oncho will have the order of th	ne spill site sampled I prior to any signifi	l to delineat cant remed	te any pos	ssible rk.		
I hereby certify that the information given above is tr regulations all operators are required to report and/or public health or the environment. The acceptance of should their operations have failed to adequately inve- or the environment. In addition, NMOCD acceptance federal, state, or local laws and/or regulations.	file certain release a C-141 report by estigate and remedi	notifications a the NMOCD m ate contaminati	nd perform correc arked as "Final Ro on that pose a thre	tive actions for rele eport" does not relie eat to ground water,	ases which we the oper surface wa	may enda ator of lia ter, huma	anger ability in health		
Signature:			OIL CONS	SERVATION	DIVISIO	DN			
Printed Name: Amanda Trujillo		Approved by	Environmental S	pecialist:			_		
Title: Senior Environmental Coordinator		Approval Dat	e:	Expiration E	Date:				
E-mail Address: atrujillo@concho.com		Conditions of	Approval:		Attached				
Date: October 24, 2014 Phone: 575-7	48-6940								

Attach Additional Sheets If Necessary

APPENDIX D NMOCD Correspondence

From:	Amanda Trujillo
To:	Patterson, Heather, EMNRD
Subject:	RE: (Closure Letter) Burch Keely Water Flood Central Tank Battery
Date:	Tuesday, March 24, 2015 3:02:38 PM
Attachments:	image001.png

Heather,

I have no issue with supplying you with delineation samples however I feel it is too dangerous to sample on this site. The metal teeth on a hand agar can puncture a conduit or line. I personally would not feel comfortable sampling myself or asking another person to do it. I have attached a picture of the open trench for your consideration. I understand where your position on closure and I'd be happy to discuss other options. If you would like we can meet this week or next.

Thank you,

Amanda Trujillo

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

2407 Pecos Ave. Artesia, NM 88210



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From: Patterson, Heather, EMNRD [mailto:Heather.Patterson@state.nm.us]
Sent: Friday, March 20, 2015 9:50 AM
To: Amanda Trujillo; Bratcher, Mike, EMNRD
Cc: Lupe Carrasco; Garrett Merket
Subject: RE: (Closure Letter) Burch Keely Water Flood Central Tank Battery

RE: COG * BKU Central Tank Battery SWD * 30-015-27764 * 2RP-2565

Amanda,

While I agree that this site is a good candidate for cleanup deferment, the OCD cannot approve one

without a site delineation. Please delineate the site to the extent that can be achieved safely. Once that delineation is supplied to the OCD we will be able to grant your remediation deferment.

If you have any questions or concerns please contact me,

Heather Patterson Environmental Specialist NMOCD District II Office (575)748-1283 ext.101 Cell (575)703-0228

From: Amanda Trujillo [mailto:ATrujillo@concho.com]
Sent: Wednesday, March 18, 2015 5:34 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Lupe Carrasco; Garrett Merket
Subject: (Closure Letter) Burch Keely Water Flood Central Tank Battery

Mr. Bratcher,

Attached is a closure request for the Burch Keely Water Flood Central Tank Battery. Please feel free to contact me if you have any additional questions or concerns.

Thank you,

Amanda Trujillo

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

2407 Pecos Ave. Artesia, NM 88210



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From: Amanda Trujillo Sent: Friday, October 24, 2014 4:16 PM To: 'Bratcher, Mike, EMNRD'; 'Patterson, Heather, EMNRD'

Subject: (C-141 Initial) Burch Keely Water Flood Central Tank Battery

Mr. Bratcher,

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

Thank you,

Amanda Trujillo

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

2407 Pecos Ave. Artesia, NM 88210



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From: Amanda Trujillo
Sent: Wednesday, October 15, 2014 8:01 PM
To: Bratcher, Mike, EMNRD; 'Patterson, Heather, EMNRD'
Subject: (Notification) Burch Keely Water flood Central Tank Battery

Mr. Bratcher,

COG Operating LLC is reporting a release on the Burch Keely Water flood Central Tank Battery Section 24 Township 24S Range 29E

The release occurred at 12:00 pm on 10/10/2014.

Released: Produced Water 45 bbls

Recovered: Produced Water 40 bbls

The release was caused by a pump failure. The site is being evaluated for clean-up and a C-141 will be submitted. If you have any additional questions please feel free to contact me.

Thank you,

Amanda Trujillo

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

2208 W. Main St. Artesia , NM 88210



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APPENDIX E Laboratory Analytical Data





Certificate of Analysis Summary 618648

COG Operating LLC, Artesia, NM

Project Name: BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Page 31 of 59

Project Id: Contact:

t: Ike Tavarez

Project Location: Eddy County, NM

Date Received in Lab: Fri Mar-22-19 02:54 pm Report Date: 27-MAR-19

Project Manager: Brandi Ritcherson

	Lab Id:	618648-001		618648-002		618648-003		618648-004		618648-005		618648-006	
Analysis Poquested	Field Id:	AH-1 0-1'		AH-1 1.5'		AH-1 2.5		AH-1 3.5		AH-1 4.5' (Refusal)		AH-2 0-1'	
Analysis Requested	Depth:												
Mat		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-20-19	Mar-20-19 00:00		Mar-20-19 00:00		00:00	Mar-20-19	00:00	Mar-20-19 (00:00	Mar-20-19 00:00	
BTEX by EPA 8021B	Extracted:	Mar-26-19	16:00	Mar-26-19 16:00		Mar-26-19 16:00						Mar-26-19	16:00
	Analyzed:	Mar-27-19 04:00		Mar-27-19 04:19		Mar-27-19 05:33						Mar-27-19	05:52
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					mg/kg	RL
Benzene	zene <0.00201 0.00		0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
Toluene		< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
Ethylbenzene		< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
m,p-Xylenes		< 0.00402	0.00402	< 0.00398	0.00398	< 0.00398	0.00398					< 0.00400	0.00400
o-Xylene		< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
Total Xylenes		< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
Total BTEX		< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199					< 0.00200	0.00200
Chloride by EPA 300	Extracted:	Mar-23-19	16:45	Mar-23-19 16:45		Mar-23-19 16:45		Mar-23-19 16:45		Mar-23-19 16:45		Mar-23-19 16:45	
	Analyzed:	Mar-23-19	20:11	Mar-23-19	20:29	:29 Mar-23-19 20:34		Mar-23-19 20:40		Mar-23-19 20:52		Mar-23-19 20:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		300	5.02	231	5.00	302	4.96	439	5.01	955	5.02	127	5.00
TPH By SW8015 Mod	Extracted:	Mar-23-19 11:00		Mar-23-19 11:00		Mar-23-19 11:00						Mar-23-19	11:00
	Analyzed:	Mar-24-19 11:32		Mar-23-19 20:49		Mar-23-19 21:09						Mar-23-19	22:07
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL					mg/kg	RL
Gasoline Range Hydrocarbons		<15.0	15.0	<15.0	15.0	<14.9	14.9					<15.0	15.0
Diesel Range Organics		22.3	15.0	<15.0	15.0	<14.9	14.9					<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0	<14.9	14.9					<15.0	15.0
Total TPH		22.3	15.0	<15.0	15.0	<14.9	14.9					<15.0	15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brand Retinson

Brandi Ritcherson Project Manager





Certificate of Analysis Summary 618648

COG Operating LLC, Artesia, NM

Project Name: BKU Central Tank Battery SWD (10-10-14) 2RP-2565



Project Id: Contact:

Ike Tavarez

Project Location: Eddy County, NM

Date Received in Lab:Fri Mar-22-19 02:54 pmReport Date:27-MAR-19

Project Manager: Brandi Ritcherson

	Lab Id:	618648-0	007	618648-	008	618648-0	09	618648-0	10		
Analysis Requested	Field Id:	AH-2 1.	.5'	AH-2 2.5'		AH-2 3.	.5	AH-2 4.5' (Refusal)			
	Depth:										
	Matrix:	SOIL		SOIL	,	SOIL		SOIL			
	Sampled:	Mar-20-19 00:00		Mar-20-19	00:00	Mar-20-19 (00:00	Mar-20-19 (00:00		
BTEX by EPA 8021B	Extracted:	Mar-26-19 16:00		Mar-26-19 16:00							
	Analyzed:	Mar-27-19 06:11		Mar-27-19 06:30							
	Units/RL:	mg/kg	RL	mg/kg	RL						
Benzene		< 0.00200	0.00200	< 0.00201	0.00201						
Toluene		< 0.00200	0.00200	< 0.00201	0.00201						
Ethylbenzene		< 0.00200	0.00200	< 0.00201	0.00201						
m,p-Xylenes		< 0.00401	0.00401	< 0.00402	0.00402						
o-Xylene		< 0.00200	0.00200	< 0.00201	0.00201						
Total Xylenes		< 0.00200	0.00200	< 0.00201	0.00201						
Total BTEX		< 0.00200	0.00200	< 0.00201	0.00201						
Chloride by EPA 300	Extracted:	Mar-23-19 16:45		Mar-23-19 16:45		Mar-23-19	17:00	Mar-23-19	17:00		
	Analyzed:	Mar-23-19 21:04		Mar-23-19 21:09		Mar-23-19 20:55		Mar-23-19 22:28			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		105	4.97	24.8	5.01	21.3	5.03	32.0	5.02		
TPH By SW8015 Mod	Extracted:	Mar-23-19	11:00	Mar-23-19	11:00						
	Analyzed:	Mar-23-19 23:06		Mar-23-19 23:26							
	Units/RL:	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons		<15.0	15.0	<15.0	15.0						
Diesel Range Organics	18.3		15.0	27.4	15.0						
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0						
Total TPH		18.3	15.0	27.4	15.0						

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Brand Retinson

Brandi Ritcherson Project Manager

Released to Imaging: 3/4/2022 3:42:11 PM

Page 2 of 28

Analytical Report 618648

for COG Operating LLC

Project Manager: Ike Tavarez

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

27-MAR-19

Collected By: Client





1211 W. Florida Ave Midland TX 79701

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

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

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



27-MAR-19

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

Reference: XENCO Report No(s): **618648 BKU Central Tank Battery SWD (10-10-14) 2RP-2565** Project Address: Eddy County, NM

Ike Tavarez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 618648. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 618648 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

mand

Brandi Ritcherson Project Manager

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Page 34 of 59



Sample Cross Reference 618648



COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 0-1'	S	03-20-19 00:00		618648-001
AH-1 1.5'	S	03-20-19 00:00		618648-002
AH-1 2.5	S	03-20-19 00:00		618648-003
AH-1 3.5	S	03-20-19 00:00		618648-004
AH-1 4.5' (Refusal)	S	03-20-19 00:00		618648-005
AH-2 0-1'	S	03-20-19 00:00		618648-006
AH-2 1.5'	S	03-20-19 00:00		618648-007
AH-2 2.5'	S	03-20-19 00:00		618648-008
AH-2 3.5	S	03-20-19 00:00		618648-009
AH-2 4.5' (Refusal)	S	03-20-19 00:00		618648-010



CASE NARRATIVE

Client Name: COG Operating LLC Project Name: BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Project ID: Work Order Number(s): 618648 Report Date: 27-MAR-19 Date Received: 03/22/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3083516 BTEX by EPA 8021B Soil samples were not received in Terracore kits and therefore were prepared by method 5030.




COG Operating LLC, Artesia, NM

Sample Id: AH-1 0-1' Lab Sample Id: 618648-001		Matrix: Date Colle	Soil cted: 03.20.	19 00.00	D	Date Received:03.2	22.19 14.5	4
Analytical Method:Chloride by ElTech:CHEAnalyst:CHESeq Number:3083128	PA 300	Date Prep:	03.23.	19 16.45	%	Prep Method: E30 6 Moisture: Basis: We	00P t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	300	5.02		mg/kg	03.23.19 20.11		1
Analytical Method: TPH By SW80 Tech: ARM Analyst: ARM Seq Number: 3083123)15 Mod	Date Prep:	03.23.	19 11.00	%	Prep Method: TX 6 Moisture: Basis: We	1005P t Weight	
Tech: ARM Analyst: ARM)15 Mod Cas Number	Date Prep: Result	03.23. RL	19 11.00	%	6 Moisture:		Dil
Tech: ARM Analyst: ARM Seq Number: 3083123		-		19 11.00	% B	6 Moisture: Basis: We	t Weight	Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter	Cas Number	Result	RL	19 11.00	% B Units	6 Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number PHC610	Result <15.0	RL 15.0	19 11.00	% B Units mg/kg	6 Moisture: Basis: We Analysis Date 03.24.19 11.32	t Weight Flag	1
Tech:ARMAnalyst:ARMSeq Number:3083123ParameterGasoline Range HydrocarbonsDiesel Range Organics	Cas Number PHC610 C10C28DRO	Result <15.0 22.3	RL 15.0 15.0	19 11.00	% B Units mg/kg mg/kg	6 Moisture: Basis: We Analysis Date 03.24.19 11.32 03.24.19 11.32	t Weight Flag U	1



1,4-Difluorobenzene

Certificate of Analytical Results 618648



COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

101

%

70-130

Sample Id: AH-1 0-1' Lab Sample Id: 618648-001		Matrix: Date Col	Soil lected: 03.20	.19 00.00	Ι	Date Received:03.2	22.19 14.54	1
Analytical Method: BTEX by EPA Tech: SCM Analyst: SCM Seq Number: 3083516	8021B	Date Prej	p: 03.26	.19 16.00	9	Prep Method: SW 6 Moisture: Basis: Wet	5030B t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.27.19 04.00	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.27.19 04.00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	125	%	70-130	03.27.19 04.00		

540-36-3

03.27.19 04.00





COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Sample Id: AH-1 1.5'		Matrix:	Soil		Γ	Date Received:0	3.22.19 14.5	4
Lab Sample Id: 618648-002		Date Colle	cted: 03.20.	19 00.00				
Analytical Method: Chloride by E	EPA 300				Р	Prep Method: E	E300P	
Tech: CHE					%	6 Moisture:		
Analyst: CHE		Date Prep:	03.23.	19 16.45	В	Basis: V	Vet Weight	
Seq Number: 3083128		Dute Trep.					6	
Parameter	Cas Number	Result	RL		Units	Analysis Date	e Flag	Dil
Chloride	16887-00-6	231	5.00		mg/kg	03.23.19 20.29)	1
Analytical Method: TPH By SW8	3015 Mod				Р	rep Method: T	°X1005P	
5	3015 Mod					rep Method: T 6 Moisture:	°X1005P	
Tech: ARM	3015 Mod	Date Pren:	03.23.	19 11.00	%	6 Moisture:		
Tech: ARM	3015 Mod	Date Prep:	03.23.	19 11.00	%	6 Moisture:	X1005P Vet Weight	
Tech: ARM Analyst: ARM Seq Number: 3083123	3015 Mod Cas Number	Date Prep: Result	03.23.3 RL	19 11.00	%	6 Moisture:	Vet Weight	Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter		-		19 11.00	% E	6 Moisture: Basis: V	Vet Weight e Flag	Dil
Tech: ARM Analyst: ARM	Cas Number	Result	RL	19 11.00	% E Units	6 Moisture: Basis: V Analysis Date	Vet Weight e Flag 0 U	
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics	Cas Number PHC610	Result <15.0	RL 15.0	19 11.00	% E Units mg/kg	6 Moisture: Basis: V Analysis Date 03.23.19 20.49	Vet Weight e Flag 0 U 0 U	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number PHC610 C10C28DRO	Result <15.0 <15.0	RL 15.0 15.0	19 11.00	% E Units mg/kg mg/kg	6 Moisture: Basis: V Analysis Date 03.23.19 20.49 03.23.19 20.49	Vet Weight e Flag U U U U U	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15	RL 15.0 15.0 15.0	19 11.00 Units	% E Units mg/kg mg/kg mg/kg	6 Moisture: Basis: V Analysis Date 03.23.19 20.49 03.23.19 20.49 03.23.19 20.49	Vet Weight Flag U U U U U U U	1 1 1

99

%

70-135

03.23.19 20.49

84-15-1

o-Terphenyl



4-Bromofluorobenzene

Certificate of Analytical Results 618648



COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

128

%

70-130

Sample Id: AH-1 1.5' Lab Sample Id: 618648-002		Matrix: Date Col	Soil llected: 03.20	.19 00.00	Ι	Date Received:03.2	22.19 14.54	4
Analytical Method: BTEX by EPA 8 Tech: SCM Analyst: SCM Seq Number: 3083516	3021B	Date Pre	p: 03.26	.19 16.00	9	Prep Method: SW 6 Moisture: Basis: Wet	5030B t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.27.19 04.19	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.27.19 04.19	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	102	%	70-130	03.27.19 04.19		

460-00-4

03.27.19 04.19





COG Operating LLC, Artesia, NM

Sample Id: AH-1 2.5 Lab Sample Id: 618648-003		Matrix: Date Colle	Soil cted: 03.20.	.19 00.00	Ľ	Date Received:03.	22.19 14.5	4
Analytical Method: Chloride by El Tech: CHE Analyst: CHE Seq Number: 3083128	PA 300	Date Prep:	03.23.	.19 16.45	%	rep Method: E30 6 Moisture: 8 asis: We	00P t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	302	4.96		mg/kg	03.23.19 20.34		1
Analytical Method: TPH By SW80 Tech: ARM Analyst: ARM Seq Number: 3083123)15 Mod	Date Prep:	03.23.	.19 11.00	%	rep Method: TX 5 Moisture: asis: We	1005P t Weight	
Tech: ARM Analyst: ARM)15 Mod Cas Number	Date Prep: Result	03.23. RL	.19 11.00	%	5 Moisture:		Dil
Tech: ARM Analyst: ARM Seq Number: 3083123		ľ		.19 11.00	% B	5 Moisture: Basis: We	t Weight	Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter	Cas Number	Result	RL	.19 11.00	% B Units	o Moisture: asis: We Analysis Date	t Weight Flag	
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number PHC610	Result <14.9	RL 14.9	.19 11.00	% B Units mg/kg	Moisture: Asis: We Analysis Date	t Weight Flag U	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics	Cas Number PHC610 C10C28DRO	Result <14.9 <14.9	RL 14.9 14.9	.19 11.00	% B Units mg/kg mg/kg	Moisture: asis: We Analysis Date 03.23.19 21.09 03.23.19 21.09	t Weight Flag U U	1



4-Bromofluorobenzene

1,4-Difluorobenzene

Certificate of Analytical Results 618648



COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

125

99

%

%

70-130

70-130

03.27.19 05.33

03.27.19 05.33

Sample Id: AH-1 2.5 Lab Sample Id: 618648-003		Matrix: Date Col	Soil lected: 03.20.19 00.00]	Date Received:03.2	22.19 14.5	4
Analytical Method: BTEX by EPA Tech: SCM Analyst: SCM	8021B	Date Pre	p: 03.26.19 16.00	Q	Prep Method: SW: % Moisture: Basis: Wet	5030B Weight	
Seq Number: 3083516							
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
Toluene	108-88-3	< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398	mg/kg	03.27.19 05.33	U	1
o-Xylene	95-47-6	< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
Total BTEX		< 0.00199	0.00199	mg/kg	03.27.19 05.33	U	1
Surrogate		Cas Number	% Recovery Units	Limits	Analysis Date	Flag	

460-00-4

540-36-3





COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Sample Id: Lab Sample I	AH-1 3.5 d: 618648-004		Matrix: Date Colle	Soil cted: 03.20.19 00.00]	Date Received:03.	22.19 14.5	4
5	ethod: Chloride by EPA CHE	300				Prep Method: E30 % Moisture:)0P	
Tech: Analyst:	CHE		Date Prep:	03.23.19 16.45		,	t Weight	
Seq Number:	3083128							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	439	5.01	mg/kg	03.23.19 20.40		1

Released to Imaging: 3/4/2022 3:42:11 PM





COG Operating LLC, Artesia, NM

Sample Id: Lab Sample Id	AH-1 4.5' (Refusal) d: 618648-005		Matrix: Date Colle	Soil cted: 03.20.19 00.00]	Date Received:03.2	22.19 14.54	4
Analytical Me Tech:	ethod: Chloride by EPA CHE	300				Prep Method: E30 % Moisture:	00P	
Analyst:	CHE		Date Prep:	03.23.19 16.45			t Weight	
Seq Number:	3083128							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	955	5.02	mg/kg	03.23.19 20.52		1





COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Sample Id: AH-2 0-1'		Matrix:	Soil		Ε	Date Received:03	3.22.19 14.5	4
Lab Sample Id: 618648-006		Date Colle	cted: 03.20.	19 00.00				
Analytical Method: Chloride by E	EPA 300				Р	rep Method: E	300P	
Tech: CHE					%	6 Moisture:		
Analyst: CHE		Date Prep:	03.23.	19 16.45	В	asis: W	et Weight	
Seq Number: 3083128		Dute Trep.					0	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	127	5.00		mg/kg	03.23.19 20.58		1
Analytical Method: TPH By SW8	8015 Mod				Р	rep Method: T	X1005P	
Analytical Method: TPH By SW8 Tech: ARM	8015 Mod					rep Method: T. 6 Moisture:	X1005P	
Tech: ARM Analyst: ARM	3015 Mod	Date Prep:	03.23.	19 11.00	%	6 Moisture:	X1005P Tet Weight	
Tech: ARM	3015 Mod Cas Number	Date Prep: Result	03.23. RL	19 11.00	%	6 Moisture:		Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter		-		19 11.00	% E	6 Moisture: Basis: W	et Weight	Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number	Result	RL	19 11.00	% E Units	6 Moisture: Basis: W Analysis Date	fet Weight Flag	Dil 1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics	Cas Number PHC610	Result <15.0	RL 15.0	19 11.00	% E Units mg/kg	6 Moisture: Basis: W Analysis Date 03.23.19 22.07	Vet Weight Flag U	1
Tech:ARMAnalyst:ARMSeq Number:3083123	Cas Number PHC610 C10C28DRO	Result <15.0 <15.0	RL 15.0 15.0	19 11.00	% E Units mg/kg mg/kg	6 Moisture: Basis: W Analysis Date 03.23.19 22.07 03.23.19 22.07	Tet Weight Flag U U	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15.0 <15	RL 15.0 15.0 15.0	19 11.00 Units	% E Units mg/kg mg/kg mg/kg	6 Moisture: Basis: W Analysis Date 03.23.19 22.07 03.23.19 22.07 03.23.19 22.07	Tet Weight Flag U U U U U U	1 1 1

95

%

70-135

03.23.19 22.07

84-15-1

o-Terphenyl





COG Operating LLC, Artesia, NM

Sample Id: AH-2 0-1'		Matrix:	Soil		Ι	Date Received:03.2	22.19 14.5	4
Lab Sample Id: 618648-006		Date Coll	lected: 03.20.	19 00.00				
Analytical Method: BTEX by	v EPA 8021B				I	Prep Method: SW	5030B	
Tech: SCM					9	% Moisture:		
Analyst: SCM		Date Prep	o: 03.26.	19 16.00	I	Basis: We	t Weight	
Seq Number: 3083516								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	03.27.19 05.52	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.27.19 05.52	U	1
Surrogate		Cas Number	% Bocovory	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	Recovery	Units	Linnts	Analysis Date	riag
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.27.19 05.52	
4-Bromofluorobenzene	460-00-4	118	%	70-130	03.27.19 05.52	





COG Operating LLC, Artesia, NM

Sample Id: AH-2 1.5' Lab Sample Id: 618648-007		Matrix: Date Colle	Soil cted: 03.20.	.19 00.00	Γ	Date Received:03.	22.19 14.5	4
Analytical Method: Chloride by E Tech: CHE	EPA 300				9	Prep Method: E30 6 Moisture:		
Analyst:CHESeq Number:3083128		Date Prep:	03.23.	.19 16.45	E	Basis: We	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	105	4.97		mg/kg	03.23.19 21.04		1
Analytical Method:TPH By SW8Tech:ARMAnalyst:ARMSeq Number:3083123	015 Mod	Date Prep:	03.23.	.19 11.00	%	Prep Method: TX 6 Moisture: Basis: We	1005P t Weight	
Tech: ARM Analyst: ARM	015 Mod Cas Number	Date Prep: Result	03.23. RL	.19 11.00	%	6 Moisture:		Dil
Tech:ARMAnalyst:ARMSeq Number:3083123				.19 11.00	9 E	6 Moisture: Basis: We	t Weight	Dil 1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter	Cas Number	Result	RL	.19 11.00	% E Units	6 Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number PHC610	Result <15.0	RL 15.0	.19 11.00	% Units mg/kg	6 Moisture: Basis: We Analysis Date 03.23.19 23.06	t Weight Flag	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics	Cas Number PHC610 C10C28DRO	Result <15.0 18.3	RL 15.0 15.0	.19 11.00	9 E Units mg/kg mg/kg	6 Moisture: Basis: We Analysis Date 03.23.19 23.06 03.23.19 23.06	t Weight Flag U	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <15.0 18.3 <15.0 18.3	RL 15.0 15.0 15.0	.19 11.00 Units	9 E Units mg/kg mg/kg mg/kg mg/kg mg/kg Limits	6 Moisture: Basis: We 03.23.19 23.06 03.23.19 23.06 03.23.19 23.06	t Weight Flag U	1 1 1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <15.0 18.3 <15.0 18.3	RL 15.0 15.0 15.0 15.0 %		9 E Units mg/kg mg/kg mg/kg mg/kg	Analysis Date 03.23.19 23.06 03.23.19 23.06 03.23.19 23.06 03.23.19 23.06 03.23.19 23.06	t Weight Flag U U	1 1 1





COG Operating LLC, Artesia, NM

Sample Id: AH-2 1.5'		Matrix:	Soil		Ι	Date Received:03.2	22.19 14.5	4
Lab Sample Id: 618648-007		Date Coll	ected: 03.20.	19 00.00				
Analytical Method: BTEX by	EPA 8021B				I	Prep Method: SW	5030B	
Tech: SCM					9	% Moisture:		
Analyst: SCM		Date Prep	o: 03.26.	19 16.00	I	Basis: We	t Weight	
Seq Number: 3083516		Ĩ						
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	03.27.19 06.11	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.27.19 06.11	U	1
Surrogate		Cas Number	%	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	03.27.19 06.11	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.27.19 06.11	





COG Operating LLC, Artesia, NM

Sample Id: AH-2 2.5' Lab Sample Id: 618648-008		Matrix: Date Colle	Soil cted: 03.20.	Date Received:03.22.19 14.54				
Analytical Method: Chloride by El Tech: CHE Analyst: CHE Seq Number: 3083128	PA 300	Date Prep:	03.23.	.19 16.45	%	rep Method: E3(5 Moisture: 8asis: We	00P t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24.8	5.01		mg/kg	03.23.19 21.09		1
Analytical Method: TPH By SW80 Tech: ARM Analyst: ARM Seq Number: 3083123	015 Mod	Date Prep:	03.23.	.19 11.00	%	rep Method: TX 5 Moisture: asis: We	1005P t Weight	
Tech: ARM Analyst: ARM)15 Mod Cas Number	Date Prep: Result	03.23. RL	.19 11.00	%	5 Moisture:		Dil
Tech: ARM Analyst: ARM Seq Number: 3083123		Ĩ		.19 11.00	% B	5 Moisture: Basis: We	t Weight	Dil
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter	Cas Number	Result	RL	.19 11.00	% B Units	o Moisture: asis: We Analysis Date	t Weight Flag	
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons	Cas Number PHC610	Result <15.0	RL 15.0	.19 11.00	% B Units mg/kg	Moisture: Analysis Date	t Weight Flag	1
Tech: ARM Analyst: ARM Seq Number: 3083123 Parameter Gasoline Range Hydrocarbons Diesel Range Organics	Cas Number PHC610 C10C28DRO	Result <15.0 27.4	RL 15.0 15.0	.19 11.00	% B Units mg/kg mg/kg	Moisture: asis: We Analysis Date 03.23.19 23.26 03.23.19 23.26	t Weight Flag U	1



4-Bromofluorobenzene

Certificate of Analytical Results 618648



COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

125

%

70-130

Sample Id: AH-2 2.5' Lab Sample Id: 618648-008		Matrix: Date Col	Soil lected: 03.20	.19 00.00	Ι	Date Received:03.2	22.19 14.54	4
Analytical Method:BTEX by EPATech:SCMAnalyst:SCMSeq Number:3083516	8021B	Date Pre	p: 03.26	.19 16.00	9	Prep Method: SW 6 Moisture: Basis: Wet	5030B t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.27.19 06.30	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.27.19 06.30	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	101	%	70-130	03.27.19 06.30		

460-00-4

03.27.19 06.30





COG Operating LLC, Artesia, NM

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Sample Id: Lab Sample I	AH-2 3.5 d: 618648-009		Matrix: Date Colle	Soil cted: 03.20.19 00.00		Date Received:03	3.22.19 14.5	4
•	ethod: Chloride by EPA	300				Prep Method: E3	300P	
Tech:	CHE					% Moisture:		
Analyst:	CHE		Date Prep:	03.23.19 17.00		Basis: W	et Weight	
Seq Number:	3083129							
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	21.3	5.03	mg/kg	03.23.19 20.55		1

Released to Imaging: 3/4/2022 3:42:11 PM





COG Operating LLC, Artesia, NM

Sample Id: AH-2 4.5' (Refusa) Lab Sample Id: 618648-010	1)	Matrix: Date Collec	Soil ted: 03.20.19 00.00		Date Received:03.2	22.19 14.5	4
Analytical Method: Chloride by E Tech: CHE	PA 300				Prep Method: E30 % Moisture:	00P	
Analyst: CHE		Date Prep:	03.23.19 17.00			t Weight	
Seq Number: 3083129							
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	32.0	5.02	mg/kg	03.23.19 22.28		1



Flagging Criteria



Page 53 of 59

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- **E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- RL Reporting Limit
- MDL Method Detection LimitSDLSample Detection LimitLOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- DL Method Detection Limit
- NC Non-Calculable

SMP Cli	ent Sample	BLK	Method Blank	
BKS/LCS	S Blank Spike/Laboratory Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labo	ratory Control Sample Duplicate
MD/SD	Method Duplicate/Sample Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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





COG Operating LLC

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Analytical Method: Seq Number: MB Sample Id:	Chloride by EPA 3 3083128 7674201-1-BLK	00	LCS Sar	Matrix: nple Id:	Solid 7674201-	1-BKS			rep Meth Date Pr D Sampl	rep: 03.2		
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Lin	nit Units	Analysis Date	Flag
Chloride	<5.00	250	246	98	246	98	90-110	0	20	mg/kg	03.23.19 18:11	
Analytical Method:	Chloride by EPA 3	00						Р	rep Meth	od: E30	0P	
Seq Number:	3083129			Matrix:	Solid				Date Pr	rep: 03.2	.3.19	
MB Sample Id:	7674202-1-BLK		LCS Sar	nple Id:	7674202-	1-BKS		LCS	D Sampl	e Id: 7674	4202-1-BSD	
nib bumpie iui	NOT INCE I DELL			•					-			
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Lin	nit Units	Analysis Date	Flag
	MB	-	LCS	LCS			Limits 90-110	%RPD	RPD Lin 20	nit Units mg/kg	•	Flag
Parameter	MB Result	Amount	LCS Result	LCS %Rec	Result	%Rec					Date	Flag
Parameter	MB Result <0.858	Amount 250	LCS Result	LCS %Rec	Result	%Rec		2		mg/kg	Date 03.23.19 20:42	Flag
Parameter Chloride	MB Result <0.858	Amount 250	LCS Result 249	LCS %Rec	Result 254	%Rec		2	20	mg/kg nod: E30	Date 03.23.19 20:42 0P	Flag
Parameter Chloride Analytical Method:	MB Result <0.858 Chloride by EPA 3	Amount 250	LCS Result 249	LCS %Rec 100	Result 254 Soil	%Rec 102		2 P	20 rep Meth Date Pr	mg/kg nod: E30 rep: 03.2	Date 03.23.19 20:42 0P	Flag
Parameter Chloride Analytical Method: Seq Number:	MB Result <0.858 Chloride by EPA 3 3083128	Amount 250	LCS Result 249	LCS %Rec 100 Matrix:	Result 254 Soil	%Rec 102		2 P MS	20 rep Meth Date Pr	mg/kg nod: E30 rep: 03.2 e Id: 6186	Date 03.23.19 20:42 0P 23.19	Flag Flag

Analytical Method:	Chloride by EPA 30)0						Pr	ep Meth	od: E30	0P	
Seq Number:	3083128			Matrix:	Soil				Date Pr	ep: 03.2	3.19	
Parent Sample Id:	618647-014		MS Sar	nple Id:	618647-01	14 S		MS	D Sample	e Id: 618	647-014 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Lim	it Units	Analysis Date	Flag
Chloride	39.4	250	286	99	285	98	90-110	0	20	mg/kg	03.23.19 19:54	

Analytical Method:	Chloride by EPA 3	00						Pre	ep Metho	d: E300)P	
Seq Number:	3083129			Matrix:	Soil				Date Pre	ep: 03.2	3.19	
Parent Sample Id:	618648-009		MS San	nple Id:	618648-00)9 S		MSE	Sample	Id: 6186	648-009 SD	
Parameter	Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD I	RPD Limi	t Units	Analysis	Flag
	Result	Amount	Result	%Rec	Result	%Rec					Date	riag

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

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COG Operating LLC

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Analytical Method:	Chloride by EPA 30	00						Pr	ep Metho	od: E30	0P	
Seq Number:	3083129			Matrix:	Soil				Date Pre	ep: 03.2	3.19	
Parent Sample Id:	618648-010		MS Sar	nple Id:	618648-01	10 S		MSI	O Sample	Id: 6186	548-010 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Lim	it Units	Analysis Date	Flag
Chloride	32.0	251	290	103	289	102	90-110	0	20	mg/kg	03.23.19 22:35	

Analytical Method: Seq Number: MB Sample Id:	TPH By SV 3083123 7674187-1-		lod	Matrix: Solid LCS Sample Id: 7674187-1-BKS				Prep Method: TX1005P Date Prep: 03.23.19 LCSD Sample Id: 7674187-1-BSD					
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPE	ORPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydroc	arbons	<8.00	1000	1060	106	1010	101	70-135	5	20	mg/kg	03.23.19 17:56	
Diesel Range Organics		<8.13	1000	1160	116	1090	109	70-135	6	20	mg/kg	03.23.19 17:56	
Surrogate		MB %Rec	MB Flag			LCS Flag	LCSI %Re	_	-	Limits	Units	Analysis Date	
1-Chlorooctane		119		1	20		128		5	70-135	%	03.23.19 17:56	
o-Terphenyl		121		1	18		114		7	70-135	%	03.23.19 17:56	

Analytical Method: Seq Number: Parent Sample Id:						Soil 618605-00	01 S	Prep Method: TX1005P Date Prep: 03.23.19 MSD Sample Id: 618605-001 SD								
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPI) RPD Limit	Units	Analysis Date	Flag			
Gasoline Range Hydroc Diesel Range Organics	arbons	10100 11000	1000 1000	11700 12200	160 120	11300 12000	120 100	70-135 70-135	3 2	20 20	mg/kg mg/kg	03.24.19 12:31 03.24.19 12:31	Х			
Surrogate				MS %Rec		MS MS Flag %R					Units	Analysis Date				
1-Chlorooctane o-Terphenyl				05 27	120 127		120 127		70-135 70-135	% %	03.24.19 12:31 03.24.19 12:31					

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

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Page 25 of 28





COG Operating LLC

BKU Central Tank Battery SWD (10-10-14) 2RP-2565

Analytical Method: Seq Number: MB Sample Id:	BTEX by EPA 802 3083516 7674413-1-BLK	1B	Matrix: nple Id:		1-BKS			Prep Methoo Date Prep SD Sample I	p: 03.2	SW5030B 03.26.19 7674413-1-BSD		
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPI	O RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.000383	0.0996	0.106	106	0.113	113	70-130	6	35	mg/kg	03.26.19 23:36	
Toluene	< 0.000454	0.0996	0.103	103	0.109	109	70-130	6	35	mg/kg	03.26.19 23:36	
Ethylbenzene	< 0.000563	0.0996	0.110	110	0.116	116	70-130	5	35	mg/kg	03.26.19 23:36	
m,p-Xylenes	< 0.00101	0.199	0.214	108	0.227	114	70-130	6	35	mg/kg	03.26.19 23:36	
o-Xylene	< 0.000343	0.0996	0.111	111	0.119	119	70-130	7 35		mg/kg	03.26.19 23:36	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSD %Rec			Limits	Units	Analysis Date	
1,4-Difluorobenzene	93		1	01		104			70-130	%	03.26.19 23:36	
4-Bromofluorobenzene	108		1	15		122			70-130	%	03.26.19 23:36	

Analytical Method:	: BTEX by EPA 8021B Prep Method: SW5030B													
Seq Number:	3083516]	Matrix:	Soil			Date Prep: 03.26.19						
Parent Sample Id:	618647-001		MS San	nple Id:	618647-00	01 S		MSD Sample Id: 618647-001 SD						
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPI) RPD Limit	Units	Analysis Date	Flag		
Benzene	< 0.000384	0.0998	0.108	108	0.109	110	70-130	1	35	mg/kg	03.27.19 00:14			
Toluene	< 0.000455	0.0998	0.0985	99	0.0981	99	70-130	0	35	mg/kg	03.27.19 00:14			
Ethylbenzene	< 0.000564	0.0998	0.0936	94	0.0913	92	70-130	2	35	mg/kg	03.27.19 00:14			
m,p-Xylenes	< 0.00101	0.200	0.180	90	0.175	88	70-130	3	35	mg/kg	03.27.19 00:14			
o-Xylene	< 0.000344	0.0998	0.0938	94	0.0914	92	70-130	3	35	mg/kg	03.27.19 00:14			
Surrogate				IS Rec	MS Flag	MSD %Ree		-	Limits	Units	Analysis Date			
1,4-Difluorobenzene			10	03		103		,	70-130	%	03.27.19 00:14			
4-Bromofluorobenzene			12	21		122		,	70-130	%	03.27.19 00:14			

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

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Page 26 of 28

Received by OCD:															AB #		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:		Analysis Re
	Relinquished by:		Relinquished by:	AH-2 4.5' (Refusal) Relinquished by:	AH-2 3.5'	AH-2 2.5'	AH-2 1.5'	AH-2 0-1'	AH-1 4.5' (Refusal)	AH-1 3.5'	AH-1 2.5'	AH-1 1.5'	AH-1 0-1'		SAMPLE I			atory:		Eddy County, NM				Analysis Request of Chain of Custody Record
	Date: Time:			Date: Time:											SAMPLE IDENTIFICATION			Xenco		Z	BKU Central Tank Battery SWD	COG		ly Record
ORIGINAL COPY	Rece		The second	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	3/20/2019	DATE	YEAR: 2019	SAMPLING		Sampler Signature:	COG	Project #:	Battery SWD	Site Manager:		
СОРҮ	Received by:	· •		jixed by:										TIME		LING		ture:			(10-10-14)	lke Ta		
			12841	×	×	×	×	×	×	×	×	×	×	WATER SOIL HCL		MATRIX		Robert Grubbs			(10-10-14) 2RP-7565	lke Tavarez ita	One Concho Center/600/Illinois Avenue/Midland, Texas Tel (432) 683-7443	
	D		Q											HNO₃		PRESERVAT METHOD		Grubb			0	itavarez@c	Concho 600/Illino idland, Tr 2) 683-74/	
	Date:		Date:	Date:	×	\times	×	×	×	×	×	×	×	ICE		RVATIVE		s Jr					is exas	
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(Circle) HAND DELIVERED	Ç	Sample Temperature	C			×	×	×			×			BTEX 802 TPH TX10	005								6	
HAND		Tempe	ONLY	-		×	×	×			×	X		TPH 8015 PAH 8270		GRO -	DRO - N	/RO)				10	α	
DELIN	0	erature	≺ M											Total Meta									D	
/ERED				R										TCLP Vola	atiles	\$					q	AN	R	
1			R	REMARKS	-									TCLP Sem RCI	ni Vc	olatiles					— ç	ANALYSIS	•	
FEDEX	Spe	Rush	RUSH:										GC/MS Vol. 8260B / 624											
UPS	ècial R	Charg		-									GC/MS Semi. Vol. 8270C/625											
Tracking #	leport	ges Au	Same Day											TCLP Volatiles Providential State TCLP Semi Volatiles Provide RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) X Chloride								P		
ing #:	Special Report Limits or TRRP Report	Rush Charges Authorized		×	×	×	×	×	×	×	×	×		Chloride			TDO							Page
	; or TF	ed	24 hr	-	\mathbb{H}									Chloride General V		ulfate er Cher	TDS nistry (se	ee attao	ched lis	st)		5		
	RP R		48 hr											Anion/Cat	lion I	Baland	e							 →
	leport		<u>72 hr</u>																					역
			15								-+			Hold										<u> </u>
Released to Imagin	g: 3/4/2	022 3:	42:11]	P <u>M</u>					Pa	ge 2	7 of	28					Fin	al 1.00	00					

Received by OCD: 1/14/2022 10:20:41 AM



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: COG Operating LLC Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 03/22/2019 02:54:00 PM Temperature Measuring device used : R8 Work Order #: 618648 Sample Receipt Checklist #1 *Temperature of cooler(s)? 3.1 #2 *Shipping container in good condition? Yes #3 *Samples received on ice? Yes #4 *Custody Seals intact on shipping container/ cooler? N/A #5 Custody Seals intact on sample bottles? N/A #6*Custody Seals Signed and dated? N/A #7 *Chain of Custody present? Yes #8 Any missing/extra samples? No

#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by: Bull Brianna Teel

Date: 03/22/2019

Comments

Checklist reviewed by: Jessica Warmer

Jessica Kramer

Date: 03/22/2019

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

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	72500
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition

bbillings Site will need to address Section 13 of Rule 29 at P&A CONDITIONS

Action 72500

Condition Date

3/4/2022