APPROVED By Olivia Yu at 10:44 am, Feb 26, 2018



NMOCD approves 1RP-4149 for closure.

Remediation Summary & Closure Request

Property: Concho Operating, LLC. Azores Federal #002H Lea County, New Mexico Unit Letter "O", Section 29, Township 24 South, Range 32 East Latitude 32.1816673, Longitude -103.6935196 1RP-4149

September 2017

Prepared for:

Concho Operating, LLC. 600 West Illinois Avenue Midland, TX 79701 Attn: Mrs. Rebecca Haskell

Prepared by:

Reint.

Ryan Reich Environmental Project Manager

1 1 2ll.

Thomas Franklin Environmental Manger

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Remediation Summary & Closure Request

Concho Operating, LLC. Azores Federal #002H Lea County, New Mexico Unit Letter "O", Section 29, Township 24 South, Range 32 East Latitude 32.1816673, Longitude -103.6935196 1RP-4149

September 2017

1.0 INTRODUCTION

1.1 Site Description & Background

American Safety Services Inc. (ASSI) has prepared this Remediation Summary and Closure Request for the Concho Operating, LLC. (COG) Azores Federal #002H. This Closure request is based upon the interpretation of the data collected by COG and ASSI.

The Azores Federal #002H (referred to hereinafter as the "Site" or "subject Site") is located in Unit Letter "O", Section 29, Township 24 South, Range 32 East, Lea County, New Mexico (GPS 32.1816673N, -103.6935196W).

Remedial actions were conducted by ASSI in accordance with New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (NMOCD) rules (*NMAC 19.15.29 Release Notification*) and the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

1.2 **Project Objective**

The objective of the Closure Request is to present documentation of the activities that were performed to date and to request an effective means to close the Site.

1.3 Standard of Care

ASSI's services are performed in accordance with standards provided by a firm rendering the same or similar services in the area during the same time period. ASSI makes no warranties, express or implied, as to the services performed hereunder. Additionally, ASSI does not warranty the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services will be performed in accordance with the scope of work agreed with the client.

1.4 Reliance

This report has been prepared for the exclusive use of COG, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of COG and ASSI. Any unauthorized distribution or reuse is at the sole risk of COG. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and ASSI's Agreement. The limitation of liability defined in the agreement is the aggregate limit of ASSI's liability to the client.

2.0 SITE RANKING & PROPOSED REMEDIAL ACTION GOALS

The Site is subject to regulatory oversight by the NMOCD. To address activities related to releases, the NMOCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the NMOCD rules, specifically NMAC 19.15.29 *Release Notification.* These documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

In accordance with the NMOCD's *Guidelines for Remediation of Leaks, Spills and Releases*, ASSI utilized the general site characteristics to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the table below:

Rankin	Ranking Criteria							
	<50 feet	20						
Depth to Groundwater	50 to 99 feet	10	0					
	>100 feet	0						
Wellhead Protection Area, <a>	Yes	20						
source, or; <200 feet from private domestic water source.	No	0	0					
Distance to Surface Water	<200 feet	20						
	200 to 1,000 feet	10	0					
Body	>1,000 feet	0						
Total Rar		0						

Based on ASSI's evaluation of the scoring criteria, the Site would have a Total Ranking Score of 0. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is greater than 150 feet at the Site.
- The impacted area is greater than 200 feet from a private domestic water source.
- Distance to the nearest surface water body is greater than 1,000 ft.

Based on a Total Ranking Score of 0, cleanup goals for soils remaining in place include: 10 milligrams per kilogram (mg/Kg) for Benzene, 50 mg/Kg for Total Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), 5,000 mg/Kg for Total Petroleum Hydrocarbons (TPH), and 600 mg/Kg for Chloride.

Figures 1 and 2 show the location of the Site in Lea County, New Mexico and surrounding topography.

2.1 Groundwater Research

According to research conducted on the New Mexico Office of the State Engineer (NMOSE) groundwater database, no registered water wells were located in section 29. According to ChevronTexaco Groundwater Trend Map, groundwater is between three hundred (300) and three hundred-fifty (350) feet in the approximate location of the Site.

3.0 INITIAL RESPONSE & ACTIVITIES

3.1 Initial Response

On August 12, 2016, ASSI along with COG personnel responded to a release that occurred on January 18, 2016. Fifteen (15) barrels (bbls) of produced water were released directly to the ground caused by a valve left open on an open-ended poly flowline. Three (3) bbls of the fluids were recovered. The release impacted approximately three thousand five-hundred (3,500) square feet of pasture area adjacent to the Site (Figure 3).

3.2 Drilling Activities

Soil boring activities were conducted by ASSI and COG personnel on August 12th utilizing an air rotary drilling rig. Soil Bore 1 (S1) was advanced to a depth of fifteen (15) feet below grade surface (bgs). Soil Bore 2 (S2) was advanced to a depth of eight (8) foot bgs in an attempt to vertically delineate Chloride at depth. Select samples were field screened for Chloride utilizing electro conductivity during sampling activities. Soil bore locations can be found in Figure 4 of Appendix A

3.2.1 Drilling Soil Sampling Program

Nine (9) soil samples were collected from Soil Bore 1 (S1). Elevated chloride concentrations were found in S1 at depths of one (1) foot to ten (10) feet bgs, with the highest concentration of 13,600 mg/Kg at six (6) feet declining to 224 mg/Kg at fifteen (15) feet bgs. Soil Bore 2 (S2) had a total of six (6) samples collected at depths ranging from one (1) foot to eight (8) feet bgs. Elevated Chloride concentrations were found in S2 at depths of one (1) foot to six (6) feet bgs, with the highest concentration of 5,200 mg/kg at four (4) feet declining to 80.0 mg/kg at eight (8) feet bgs. Samples collected for TPH, BTEX and Chloride.

3.3 Excavation Activities

Excavation remediation activities were conducted by ASSI and began in the areas of S1 and S2. Mr. Ryan Reich, an ASSI environmental professional, was onsite on August 30, 2017 to begin remediation efforts by using a hydro excavator (hydro-vac) to remove impacted material previously identified around an existing produced water line running through the proposed excavation area (Figure 4). Remediation efforts continued from August 30th extending until September 12th. The excavation activities included the removal of impacted material installing a 20 mil liner on the bottom of the excavated areas once proposed excavation depths were achieved (Table 1). Final dimensions were approximately one-hundred (100) feet in length, thirty-five (35) feet in width and four (4) feet in depth near the center (Figure 4). Approximately five hundred-twenty (520) cubic yards (yd³) of impacted material was transported to R-360 Environmental Solutions. For proper disposal, manifests are shown in Appendix E.

3.3.1 Excavation Confirmation Soil Sampling Program

Horizontal delineation sampling of the open excavation was conducted on September 9th by ASSI. Four (4) soil samples were collected each from their perspective cardinal directions (North, South, East and West) from the excavated sidewall by ASSI personnel and analyzed for chlorides. The four (4) samples did not exceed the NMOCD clean-up goals for chlorides and the Site was horizontally delineated (Table 1).

4.0 LABORATORY ANALYTICAL METHODS

The samples were analyzed for TPH GRO/DRO utilizing EPA method SW-846 8015, BTEX using EPA method SW-846 8021B, and Chloride utilizing EPA method SW-846 300.1. Copies of the laboratory analysis are provided in Appendix D.

Soil was collected in laboratory prepared glassware, placed on ice, and packed in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Cardinal Laboratories in Hobbs, New Mexico for the September 21st sampling event and to Xenco Laboratories in Midland, Texas for the August 21st sampling event.

Figure 4 shows the approximate location of the sampling (i.e., Auger Hole, Sidewall and Trench) locations and dimensions of the previously excavated area in relation to pertinent land features and general Site boundaries, which is included in Appendix A.

5.0 REMEDIATION SUMMARY & CLOSURE REQUEST

Based upon the data provided by ASSI, the constituents of concern were horizontally and vertically delineated below the cleanup levels. The previously excavated area of S1 and S2 had a 20 mil liner installed on the bottom of the excavated floor and was backfilled with clean material. Based upon the response actions and laboratory analytical results, no additional investigation and/or remediation appears warranted at this time. ASI respectfully requests closure of the Site on behalf of COG. Copies of the Initial and Final C-141 are provided in Appendix D.



APPENDIX A

Figures

Azores Federal #002H

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Figure 1

Legend

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Azores Federal #2H

Azores Federal #2H

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Google Earth

S 2017 Google mage Landsat / Copernicus



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Azores Federal #002H

Figure 3

Legend



621

Release Footprint

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Azores Federal #2H

Google Earth





Pasture







APPENDIX B

Table 1

					ary of Delineation rations of Benzene Concho O Azores I Lea County	BLE 1 Sampling Analytical 2, BTEX, TPH & Chlori perating, LLC ederal #2H 1, New Mexico EF: 1RP-4149						
						8021B				8015M		300.0
SAMPLE LOCATION	SAMPLE DEPTH (bgs)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Gui	NMOCD - Guidelines for Remediation of Leaks, Spills and Releases 10 NE NE NE SO NE NE SO NE NE 5,000 600											600
				1	Vertical Deli	nation Sampling						
\$1	1'	8/12/2016	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	3,440
S1	2'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	2,640
S1	3'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	2,680
S1	4'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	3,240
S1	6'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	13,600
S1	8'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	5,600
S1	10'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	4,240
S1	12'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	480
S1	15'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	224
S2	1'	8/12/2016	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	848
S2	2'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	2,440
S2	3'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	4,320
S2	4'	8/12/2016	Excavated	-	-	-	-	-	-	-	-	5,200
S2	6'	8/12/2016	In-situ	-	-	-	-	-	-	-		3,040
S2	8'	8/12/2016	In-situ	-	-	-	-	-	-	-	-	80.0
North Sidewall	-	9/5/2017	In-situ	-	-	-	-	-	-	-	-	136
South Sidewall	-	9/5/2017	In-situ	-	-	-	-	-	-	-	-	170
East Sidewall	-	9/5/2017	In-situ	-	-	-	-	-	-	-	-	24.9
West Sidewall	-	9/5/2017	In-situ	-	-	-	-	-	-	-	-	43.7

In-situ = sample collected in place

mg/Kg - milligrams per Kilogram

— = Not Established

Concentrations in BOLD exceed the NMOCD Guidelines





APPENDIX C

Laboratory Analysis

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Thomas Franklin American Safety Services, Inc 8715 Andrews Hwy Odessa, TEXAS 79765

Project: COG-Azores Federal #2H Project Number: [none] Location: Lee CO NM

Lab Order Number: 7I06002



NELAP/TCEQ # T104704516-16-7

Report Date: 09/08/17

Project: COG-Azores Federal #2H Project Number: [none] Project Manager: Thomas Franklin

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Sidewall	7106002-01	Soil	09/05/17 14:50	09-06-2017 09:00
South Sidewall	7106002-02	Soil	09/05/17 14:55	09-06-2017 09:00
East Sidewall	7106002-03	Soil	09/05/17 15:00	09-06-2017 09:00
West Sidewall	7106002-04	Soil	09/05/17 15:05	09-06-2017 09:00

North Sidewall

		/1000	02-01 (80)	II)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin E	nvironme	ntal Lab, I	P .				
General Chemistry Parameters by EPA	/ Standard Methods								
Chloride	136	1.11	mg/kg dry	1	P7I0612	09/06/17	09/07/17	EPA 300.0	
% Moisture	10.0	0.1	%	1	P7I0614	09/06/17	09/07/17	ASTM D2216	

Permian Basin Environmental Lab, L.P.

Analyte

% Moisture

Project: COG-Azores Federal #2H Project Number: [none] Project Manager: Thomas Franklin

Notes

		n Sidewa 02-02 (So					
Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method

%

1

P7I0614

09/06/17

09/07/17

ASTM D2216

Permian Basin Environmental Lab, L.P.							
General Chemistry Parameters	by EPA / Standard Methods						
Chloride	170	1.03 mg/kg dry	1	P7I0612	09/06/17	09/07/17	EPA 300.0

0.1

3.0

Permian Basin Environmental Lab, L.P.

Project: COG-Azores Federal #2H Project Number: [none] Project Manager: Thomas Franklin

East Sidewall

7106002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permia	in Basin E	nvironmeı	ntal Lab, I	P.				
General Chemistry Parameters by EP	A / Standard Methods								
Chloride	24.9	1.25	mg/kg dry	1	P7I0612	09/06/17	09/07/17	EPA 300.0	
% Moisture	20.0	0.1	%	1	P7I0614	09/06/17	09/07/17	ASTM D2216	

% Moisture

Project: COG-Azores Federal #2H Project Number: [none] Project Manager: Thomas Franklin

09/07/17

ASTM D2216

			t Sidewal 02-04 (Soi						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Permi	an Basin E	nvironme	ntal Lab, I	P.				
General Chemistry Paramet	ters by EPA / Standard Methods								
Chloride	43.7	1.25	mg/kg dry	1	P7I0612	09/06/17	09/07/17	EPA 300.0	

%

1

P7I0614

09/06/17

0.1

20.0

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P7I0612 - *** DEFAULT PREP ***										
Blank (P7I0612-BLK1)				Prepared: (09/06/17 A	Analyzed: 09	/07/17			
Chloride	ND	1.00	mg/kg wet							
LCS (P7I0612-BS1)				Prepared: (09/06/17 A	Analyzed: 09	/07/17			
Chloride	437	1.00	mg/kg wet	400		109	80-120			
LCS Dup (P710612-BSD1)				Prepared: (09/06/17 A	Analyzed: 09	/07/17			
Chloride	445	1.00	mg/kg wet	400		111	80-120	1.75	20	
Duplicate (P7I0612-DUP1)	Sou		-01	Prepared: (09/06/17 A	Analyzed: 09	0/07/17			
Chloride	2110	31.2	mg/kg dry		2080			1.45	20	
Duplicate (P7I0612-DUP2)	Sou		-01	Prepared: (09/06/17 A	Analyzed: 09	/07/17			
Chloride	133	1.11	mg/kg dry		136			1.54	20	
Matrix Spike (P7I0612-MS1)	Sou	rce: 7106001-	-01	Prepared: 09/06/17 Analyzed: 09/07/17			/07/17			
Chloride	4760	31.2	mg/kg dry	2500	2080	107	80-120			
Batch P7I0614 - *** DEFAULT PREP ***										
Blank (P7I0614-BLK1)				Prepared: (09/06/17 A	Analyzed: 09	0/07/17			
% Moisture	ND	0.1	%							
Duplicate (P710614-DUP1)	Sou		-27	Prepared: (09/06/17 A	Analyzed: 09	0/07/17			
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P7I0614-DUP2)	Sou		-01	Prepared: (09/06/17 A	Analyzed: 09	/07/17			

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P7I0614 - *** DEFAULT PREP ***										
Duplicate (P7I0614-DUP3)	Sou	rce: 7106006-()8	Prepared: (09/06/17 A	nalyzed: 09	/07/17			
% Moisture	9.0	0.1	%		9.0			0.00	20	

Notes and Definitions

BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Sun Barron

Date: 9/8/2017

Brent Barron, Laboratory Director/Technical Director

Report Approved By:

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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August 24, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: AZORES FEDERAL #2H

Enclosed are the results of analyses for samples received by the laboratory on 08/17/16 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	08/17/2016	Sampling Date:	08/12/2016
Reported:	08/24/2016	Sampling Type:	Soil
Project Name:	AZORES FEDERAL #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: S1 - 1' (H601857-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2016	ND	2.28	114	2.00	3.95	
Toluene*	<0.050	0.050	08/20/2016	ND	2.32	116	2.00	3.70	
Ethylbenzene*	<0.050	0.050	08/20/2016	ND	2.21	110	2.00	4.14	
Total Xylenes*	<0.150	0.150	08/20/2016	ND	6.68	111	6.00	3.96	
Total BTEX	<0.300	0.300	08/20/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
Chloride, SM4500Cl-B mg/kg		kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	08/22/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/19/2016	ND	218	109	200	1.61	
DRO >C10-C28	<10.0	10.0	08/19/2016	ND	234	117	200	1.50	
Surrogate: 1-Chlorooctane	84.7 9	% 35-147	7						
	95.7 9	28-171							

Sample ID: S1 - 2' (H601857-02)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/22/2016	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	08/17/2016	Sampling Date:	08/12/2016
Reported:	08/24/2016	Sampling Type:	Soil
Project Name:	AZORES FEDERAL #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: S1 - 3' (H601857-03)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	08/22/2016	ND	416	104	400	0.00	

Sample ID: S1 - 4' (H601857-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	08/22/2016	ND	416	104	400	0.00	

Sample ID: S1 - 6' (H601857-05)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	08/22/2016	ND	416	104	400	0.00	

Sample ID: S1 - 8' (H601857-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	08/22/2016	ND	416	104	400	0.00	

Sample ID: S1 - 10' (H601857-07)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	08/22/2016	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	08/17/2016	Sampling Date:	08/12/2016
Reported:	08/24/2016	Sampling Type:	Soil
Project Name:	AZORES FEDERAL #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: S1 - 12' (H601857-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/22/2016	ND	416	104	400	0.00	

Sample ID: S1 - 15' (H601857-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/22/2016	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	08/17/2016	Sampling Date:	08/12/2016
Reported:	08/24/2016	Sampling Type:	Soil
Project Name:	AZORES FEDERAL #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: S2 - 1' (H601857-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2016	ND	2.28	114	2.00	3.95	
Toluene*	<0.050	0.050	08/20/2016	ND	2.32	116	2.00	3.70	
Ethylbenzene*	<0.050	0.050	08/20/2016	ND	2.21	110	2.00	4.14	
Total Xylenes*	<0.150	0.150	08/20/2016	ND	6.68	111	6.00	3.96	
Total BTEX	<0.300	0.300	08/20/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/22/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/19/2016	ND	218	109	200	1.61	
DRO >C10-C28	<10.0	10.0	08/19/2016	ND	234	117	200	1.50	
Surrogate: 1-Chlorooctane	88.5 9	% 35-147	7						

Sample ID: S2 - 2' (H601857-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	08/23/2016	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	08/17/2016	Sampling Date:	08/12/2016
Reported:	08/24/2016	Sampling Type:	Soil
Project Name:	AZORES FEDERAL #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: S2 - 3' (H601857-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	08/23/2016	ND	416	104	400	0.00	

Sample ID: S2 - 4' (H601857-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	08/23/2016	ND	416	104	400	0.00	

Sample ID: S2 - 6' (H601857-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	08/23/2016	ND	416	104	400	0.00	

Sample ID: S2 - 8' (H601857-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/23/2016	ND	416	104	400	0.00	

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 6F 2

101 East Marland. Hobbs. NM 88240

s. Please fax written changes to 575-393-2476

Sample Condition Cool Intact HYes HYes No No

#75

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Lab	CA
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 FA	Zip 88210	BILL pany: CC	ling LLC		
(575) 748-6930 Fax #:	01700	ess:	inois		
		X	•		
	Ph	none #: (432) 221-0388	1.1		
Dakota Neel	Fa	x#:			
		PRESERV. SAMPLI	NG		
Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER : DATE	TIM	m BTEX	
S2-1'		×	10:00	-	××
S2-2'		8-12-16	-		x
S2-3'		31-21-8			< ×
S2-6'		8-12.K	-		×
S2-8'		31 Zi · S	٢		×
nages. Cardina's liability and client's exclusive remedy for a se for negligence and any other cause whatsoever shall be or be liable for incidental or consequential damages, including of or relations to the conformance of services beaunder by C	ny claim arising whether based in contract or tort deemed waived unless made in writing and recei- without limitation, business interruptions, loss of arctivat reveartless of whether such claim is base	, shall be limited to the amount paid ived by Cardinal within 30 days after f use, or loss of profits incurred by cl -d uwon and of the above stated rec	by the client fo completion of t ent, its subsidia	r the he applicable rries,	r the he applicable ke
Date:	Received By:	abruna	Phone R Fax Resi REMARI dneel2(esult: ult: Qconcho	esult: [] Yes [] No ult: [] Yes [] No (S: Qconcho.com
Time: Date: Time:	Sample Condition Cool Intact				
(575) Azores F n: Dak Dak d Damages. C d Damages. C d Damages. C d Damages. C	Phone #: (575) 748-6930 Fax #: Project Name: Azores Federal #2H Project Location: Dakota Neel FOR UP UNE ONLY Dakota Neel Lab I.D. Sampler I.D. 10 Sample I.D. 12 Sample I.D. 13 Sample I.D. 14 Sample I.D. 15 Sample I.D. 16 S2-1' 17 S2-2' 18 S2-4' 19 S2-4' 19 S2-4' 19 S2-4' 19 S2-4' 19 S2-6' 10 S2-8' 10 S2-8' 11 S2-8' 12 S2-8' 13 S2-8' 14 S2-8' 15 S2-8' 16 S2-8' 17 S2-8' 18 S2-8' 19 S2-8' 10 S2-8' 10 S2-8' 10 S2-8' 10 <	748-6930 Fax #: An Project Owner: G old Neel Frage Sample I.D. S2-1' S2-2' S2-2' S2-2' G S2-8' G S0IL OIL GUDGE OIL SUDDGE OIL SUDDGE OIL SUDDGE OIL Bare OIL	T48-6930 Fax #; Address: Kowner: ederal #2H Project Owner: City: Midland iola Neel City: State: Tx Zip: 7970 iola Neel Sample I.D. Sample I.D. G)RAB OR (C)OMP. Fax #: S2:2? S2:2? G)RAB OR (C)OMP. Fax #: Sample I.D. S2:2:1 S2:2? G)RAB OR (C)OMP. Fax #: Sample I.D. S2:2:2? G)RAB OR (C)OMP. Fax #: Sample I.D. Sample I.D. S2:2:3 G)RAB OR (C)OMP. Fax #: Sample I.D. Sample I.D. S2:2:4 G)RAB OR (C)OMP. G)RAB OR (C)OMP. Sample I.D. Sample I.D. S2:2:6 S2:2:8 G)RAB OR (C)OMP. Sample I.D. Sample I.D. S2:2:8 G GROUNDWATEER Sample I.D. Sample I.D. S2:2:8 G GROUNDWATEER Sample I.D. Sample I.D. S2:2:8 G GROUNDWATER Sample I.D. Sample I.D. S2:2:8 G GROUNDWATER Sample I.D. Sample I.C. S2:2:8 G GROUNDWATER Sample I.C. Sample I.C. S3:2:6 Sample I.D. Sample I.C. Samel Sample I.C. Samel Samel Samel Samel I.C. <td>Phone #: (575) 748-6930 Fax #: Address: 600 W llinois Project Name: Azores Federal #2H Frighet Owner: City: Maland Project Location: Dakota Neel Fax #: Phone #: (43) 214088 Sampler Name: Dakota Neel Fax #: Fax #: Phone #: (43) 214088 Sampler Name: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Sample I.D. Sample I.D. Fax #: Fax #: Fax #: Lab 1.D. Sample I.D. S2-11 Git A Sample I.D. Fax #: Fax #: Fax #: 12 S2-21 S2-21 Git A Sample I.D. Git A Sample I.D. Fax #: Fax #: Fax #: Fax #: 13 S2-41 S2-31 S2-41 Git A Sample I.D. Fax #: Fax #: Fax #: Fax #: Fax #: 14 S2-81 S2-81 S2-81 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45<td>Dicho operative BTEX BTEX</td></td>	Phone #: (575) 748-6930 Fax #: Address: 600 W llinois Project Name: Azores Federal #2H Frighet Owner: City: Maland Project Location: Dakota Neel Fax #: Phone #: (43) 214088 Sampler Name: Dakota Neel Fax #: Fax #: Phone #: (43) 214088 Sampler Name: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Dakota Neel Fax #: Fax #: Fax #: Project Location: Sample I.D. Sample I.D. Fax #: Fax #: Fax #: Lab 1.D. Sample I.D. S2-11 Git A Sample I.D. Fax #: Fax #: Fax #: 12 S2-21 S2-21 Git A Sample I.D. Git A Sample I.D. Fax #: Fax #: Fax #: Fax #: 13 S2-41 S2-31 S2-41 Git A Sample I.D. Fax #: Fax #: Fax #: Fax #: Fax #: 14 S2-81 S2-81 S2-81 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45 S1-7.45 <td>Dicho operative BTEX BTEX</td>	Dicho operative BTEX BTEX



APPENDIX D

Initial and Final C-141

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.

Attached

Release Notification and Corrective Action

	OPERATOR	Initial Report	Final Repor
Name of Company: COG Operating LLC	Contact: Robert McNeill		
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077		
Facility Name: AZORES FEDERAL #002H	Facility Type: Wellhead		
			-

ĺ	Surface Owner: Federal	Mineral Owner: Federal	API No. 30-025-41534

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County		
0	29	24S	32E	190'	South	1650'	East	Lea		

Latitude 32.1816673 Longitude -103.6935196

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Recovered:	
Produced Water	15 bbls PW	3 bbls PW	
Source of Release:	Date and Hour of Occurrence:	Date and Hour of Discovery:	
Flowline	I-18-2016 2:00 pm	1-18-2016 2:00 pm	
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🔲 No 🖾 Not Required			
By Whom?	Date and Hour:		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.	
🗌 Yes 🖾 No			
If a Watercourse was Impacted, Describe Fully.*	1		
Describe Cause of Problem and Remedial Action Taken.*			
This release was caused by an open valve on an open end poly line. A va	icuum truck was dispatched to recover	standing huid.	
Describe Area Affected and Cleanup Action Taken.*		· · · · · · · · · · · · · · · · · · ·	
besende med mine creamy menon materi.			
This release is located in the pasture along the lease road. Concho will ha	we the spill site sampled to delineate a	ny possible contamination from the release	
and we will present a remediation work plan to the NMOCD for approva			
	. , , ,		
I hereby certify that the information given above is true and complete to t			
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 the			
should their operations have failed to adequately investigate and remedia			
or the environment. In addition, NMOCD acceptance of a C-141 report of	loes not relieve the operator of respon	sibility for compliance with any other	
federal, state, or local laws and/or regulations.			
.32	OIL CONSERV	VATION DIVISION	
Signature: Polat h healf			
Signature: Potent h heat			
Deinsteil Names, Dahurt MaNaill	Approved by Environmental Specialist:		
Printed Name: Robert McNeill			
Title: Environmental Manager	Approval Date:	Expiration Date:	
	a alla lla en antana		
E-mail Address: rmcneill@concho.com	Conditions of Approval:	Ausshard 🗖	

Phone: 432-230-0077 Date: February 1, 2016

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Pran	cis Dr., Sand	tre, NNI 87503	,	Sa	nta Fe	<u>;, NM 875</u>	05				
	Release Notification and Corrective Action										
	OPERATOR Initial Report I Final Report										
Name of Company: COG Operating LLC						Contact: Robert McNeil					
Address: 600 West Illinois Avenue, Midland TX 79701						Telephone No.: 432-230-0077					
Facility Nan	ne: AZOR	ES FEDERA	AL #0021	H	1	Facility Type: Wellhead					
Surface Ow	ner: Feder	al		Mineral O	wner: I	Federal		API No	: 30-025-4	1534	
		-		LOCA	TIO	N OF REI	EASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County:		
0	29	245	32E	190'	9	South	1650'	East		Lea	
		210		·			_	·			
						-	-103.6935196				
T CD I		1 11/		NAT	URE	OF REL	a second s			111.0007	_
Type of Relea							Release: 15 bbls our of Occurrence		ecovered: 3 Hour of Dis		
	10030. 1 10 10	iiiie -				1-18-2016		1-18-2016		covery.	
. Was Immedia	ate Notice (F			If YES, To	Whom?				
			Yes L] No 🛛 Not Re	quired						
By Whom? Was a Water	nourra Dan	shod?				Date and H	lour dume Impacting (ha Wataraauma	· · ·	*	
was a water	course read		Yes 🗵	No							
If a Watercou	urca wac Im						APPRC	OVED —			
N/A	nse was mi	pacted, Desci	loe Pully.				Ry Olivia	Yu at 10:4	5 am	Fob 26	2018
		em and Reme							-	-	
		by an open va d prepared a v			. A vac	uum truck re	covered standing	fluid. COG assigne	d ASSI to i	remediate the s	spill.
	the spin an	a preparea a	work plan	•							
	Describe Area Affected and Cleanup Action Taken *										
Describe Area Affected and Cleanup Action Taken.* The site was remediated by ASSI in 2017, impacted material was excavated and sent to R-360 for proper disposal. Confirmation samples were collected											
The site was remediated by ASSI in 2017, impacted material was excavated and sent to R-360 for proper disposal. Confirmation samples were collected and sent to an NMOCD approved laboratory, which determined Chloride levels were less then NMOCD regulatory standards. Subsequently, the Site was											
backfilled and the surface has been restored.											
								inderstand that purs			
								ctive actions for rele report" does not reli			
should their of	or the envi operations 1	nave failed to	adequately	v investigate and re	er oy un	e contaminati	on that pose a thr	reat to ground water	, surface wa	iter, human he	alth
or the enviro	nment. In a	ddition, NM	DCD accep					responsibility for co			
		ws and/or reg		-	- 10						
Signature:	1.1	QI.	shall	1			<u>OIL CON</u>	SERVATION	DIVISIO	<u>)N</u>	
Signature:	reven	ca tto	skel	~		01					
1						Approved by	Environmental S				
Printed Name	e: Rebecca	Haskeli					0/00/004/				-
Title: Senior	HSE Coor	dinator				Approval Da	2/26/2018	Expiration :	Date:	xx/xxxx	
		l@concho.co	-			Conditions o	Approval;		Attached		
Date: Oct	ober .	26, 2017	Phone	: 432-683-7443	3						

* Attach Additional Sheets If Necessary


APPENDIX E

Waste Manifest

			Custo		00										
						G OPERAT I2120	ING LLC		Ticket #:	700-832191 O6UJ9A00092L					
	20	200				BECCA HA	SKELL		Bid #: Date:	9/6/2017	0092L				
5	SE		AFE #		T.L.	BLOOAHA	ORLLL		Generator:		ERATING	LLC			
			PO #:						Generator #:						
ENVIRONMENT		1	Manif		NA				Well Ser. #:	41534					
SOLUTIO	VS	×		Date:		2017			Well Name:	AZORES	FEDERAL	4			
Permian Basin	i i i		Haule		APS				Well #:	002H					
			Driver Truck		ABI 113				Field:						
			Card		115	0			Field #: Rig:	NON-DRI	LUNC				
			Job R						County	LEA (NM)					
Facility: CRI															
Product / Serv	ice						Q	uantity U	nits						
Contaminated	Soil (R	CRA Exem	ipt)					20.00	yards						
	Cell	pН	CI	Con	d.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight			
Lab Analysis	50	0.00	0.00	0.0	0	0						.9.14			

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
Customer Approval	
	THIS IS NOT AN INVOICE!
Approved By:	Date:
	V

R360	AFE #: PO #:	REBECCA HA			Ticket #: Bid #: Date: Generator: Generator #					
SOLUTIONS	Manifest #: Manif. Date	NA		Well Ser. #:						
	Hauler:	: 9/6/2017 APSI			Well Name: Well #:	002H				
Permian Basin	Driver	ABEL			Field:	JULIT				
	Truck # Card #	1130			Field #:					
	Job Ref #				Rig: County	NON-DRI LEA (NM)				
Facility: CRI										
Product / Service			Qı	antity Ur	nits					
Contaminated Soil (RCRA Exem	npt)			20.00 y	vards					
Cell pH	CI Co	nd. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Lab Analysis: 50/51 0.00	0.00 0.	00 0						U III		

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Driver/ Agent Signatu	re .	R360 Representative S	
MSDS Information	RCRA Hazardous Waste Analysis	Process Knowledge	 Other (Provide description above)

1/RIVUD

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

RE	Order	omer #: ed by: t:	CRI21		'ING LLC SKELL		Ticket #: Bid #: Date: Generator:	700-8324 O6UJ9A0 9/7/2017 COG OPI	LLC			
ENVIRONMENTAL SOLUTIONS M			PO #: Manif	est #:	NA	-			Generator #: Well Ser. #:	41534		
			Manif. Haule		9/7/20 APSI	17			Well Name: Well #:	AZORES 002H	-	
Permian Basin		Driver Truck Card ;	Driver ABEL Truck # 1130 Card # Job Ref #					Field: Field #: Rig: County	NON-DRILLING LEA (NM)			
Facility: CRI												
Product / Serv	ice						Q	uantity U	Inits			
Contaminated	Soil (F	RCRA Exen	npt)					20.00	yards			
	Cell	pН	CI	Cond	d. %	Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.0	0	0						0

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

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_ MSDS Information _ RCRA Ha	zardous Waste Analysis Process Knowledge Other (Provide description above)	
Driver/ Agent Signature	R360 Representative Signature	$\backslash A$
Abri Rivera		Ň

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Permian Basin		Order AFE # PO #: Manife	mer #: ed by: f: est #: Date: r: # #	CRI2	ECCA HAS 2017 I L			Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well %: Field: Field #: Rig: County	700-8325 O6UJ9A0 9/7/2017 COG OP 41534 AZORES 002H NON-DR LEA (NM		
Facility: CRI											
Product / Service						Q	uantity U	nits			
Contaminated Soil (R	ipt)					20.00	yards				
Cell	рН	CI	Con	d.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.0	0	0						

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_ MSDS Information	_ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)
Driver/ Agent Signature	R360 Representative Signature

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AL	nl	Ru	in

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

		-													
		1	Custo			G OPERAT	ING LLC				700-832593				
1000		6		mer #:					Bid #:	O6UJ9A00092L 9/7/2017					
PP	VE				REE	BECCA HAS	SKELL		Date:						
	29		AFE #						Generator:						
ENVIRONMENTAL			PO #:					Generator #:							
	Manife		NA					41534							
SOLUTIONS V					9/7/2017				Well Name:						
			Haule		APS				Well #:	002H					
			Driver		ABE				Field:						
			Truck		113	0			Field #:						
			Card #						Rig:	NON-DRI					
			Job R	ef#					County	LEA (NM)					
Facility: CRI															
Product / Servi	ice						Q	uantity U	nits						
Contaminated	Soil (R	CRA Exem	pt)					20.00	yards						
	Cell	pН	CI	Cond	d.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weigh			
		0.00			0				and the second	and the second se					

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_ MSDS Information _	_ RCRA Hazardous Waste Analysis	_ Process Knowledge	_ Other (Provide description above)	
Driver/ Agent Signature		R360 Representative Sig	gnature	Λ /
Abel 12: vers				X
Customer Approval				1
	THIS IS N	NOT AN INVOIC	E!	

Approved By:

ENVIRONMENTAL SOLUTIONS Permian Basin	SULUTIONS		Order AFE # PO #: Manif	est #: Date: # # #	CRI REI	BECCA HA 2017 SI EL			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	41534		
Facility: CRI												
Product / Service	9						Q	uantity L	Inits			
Contaminated Sc	oil (R	CRA Exem	pt)					20.00	yards			
С	ell	рН	CI	Con	d.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50)/51	0.00	0.00	0.0	0	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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____MSDS Information ____RCRA Hazardous Waste Analysis ____Process Knowledge ____Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

RENERD

Customer Approval

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Approved By:

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· · · / · ·	Customer: Customer #:		ERATING LL	.C	Ticket #:	700-83266		
MAAA	Ordered by:			122 556 F	Bid #:	O6UJ9A0	0092L	
550	AFE #:	NEDLUU.	AHASKELL	432-000-0	Generator:	9/7/2017 COG OPE	RATING	IC
	PO #:				Generator #:			
ENVIRONMENTAL	Manifest #:	NA			Well Ser. #:	41534		
SOLUTIONS	Manif. Date:	9/7/2017			Well Name:	AZORES	FEDERAL	
Permian Basin	Hauler:	APSI			Well #:	002H		
	Driver Truck #	ABEL 1130			Field:			
	Card #	1130			Field #: Rig:	NON-DRI	LUNC	
	Job Ref #				County	LEA (NM)		
Facility: CRI								
Product / Service			1	Quantity U	Inits			
Contaminated Soil (RCRA Exemp	t)			20.00	yards			
Cell pH	CI Con	d. %So	lids TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0						3.0.11

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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____MSDS Information ____RCRA Hazardous Waste Analysis ____ Process Knowledge ____ Other (Provide description above)

Driver	/ Agent	Signature
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R360 Representative Signature

RiverA

Customer Approval

THIS IS NOT AN INVOICE

Approved By:

R360				ŧ:	CRI	G OPERAT 12120 BIECCA HA			Ticket #: Bid #: Date: Generator:	700-832801 O6UJ9A00092L 9/8/2017 COG OPERATING LLC				
ENVIRONMENT SOLUTIO		A.	PO #: Manife	est #:	NA	0047			Generator # Well Ser. #:	41534	FERER			
			Haule	Date:	9/8/ APS	2017 SI			Well Name: Well #:	AZORES 002H	FEDERAL			
Permian Basir	1		Driver		ABE				Field:	JUL 1				
			Truck Card Job R	#	113	0			Field #: Rig: County	NON-DRI LEA (NM)				
Facility: CRI														
Product / Serv	ice						Q	uantity U	nits					
Contaminated	Soil (R	CRA Exem	pt)					20.00	yards					
	Cell	рН	CI	Con	d.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight		
Lab Analysis.	50/51	0.00	0.00	0.0	0	0								

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MSDS Information	_ RCRA Hazardous Waste Analysis	_ Process Knowledge	Other (Provide description above)
Driver/ Agent Signature		R360 Representative S	Signature

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AL. 1	Asun
1702/	12 vera

Customer Approval

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Approved By:

RGS ENVIRONMENT, SOLUTION Permian Basin	VS	50	Order AFE # PO #: Manife	mer #: C ed by: R t: Date: 9 r: A r: A # 1	EBECCA HA			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		0092L ERATING I FEDERAL LLING	
Facility: CRI											
Product / Serv	ice					Q	uantity U	nits			
Contaminated	Soil (F	CRA Exer	npt)				20.00	yards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ WISDS Information _	RCRA Hazardous waste Analysis	_ Process Knowledge	_ Other (Provide description abo	ve)
Driver/ Agent Signature		R360 Representative S	lignature	1 /
Adri Kivar				

Customer Approval

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Approved By:

RB360 ENVIRONMENTAL SOLUTIONS	Customer: COG OPERATING LLC Customer #: CRI2120 Ordered by: REBECCA HASKELL AFE #: PO #: Manifest #: NA Manif. Date: 9/11/2017 Hauler: APSI Driver ABEL Truck # 1130 Card # Job Ref #	Date: 9/11/20 Generator: COG C Generator #: Well Ser. #: 41534 Well Name: AZORE Well #: 002H Field: Field #:	A00092L 17 PERATING LLC ES FEDERAL RILLING
Facility: CRI			
Product / Service	Qua	antity Units	
Contaminated Soil (RCRA Exemp		20.00 yards	
CellpHLab Analysis:500.00	Cl Cond. %Solids TDS 0.00 0.00 0 0	PCI/GM MR/HR H2S	% Oil Weight
 1988 regulatory determination, the abo <u>X</u> RCRA Exempt: Oil Field wastes g waste. <u>RCRA Non-Exempt: Oil field was</u> characteristics established in RCRA reg amended. The following documentation 	esource Conservation and Recovery Act (RC	eduction operations and are not n ed the minimum standards for wa zardous waste as defined in 40 C bed waste is non-hazardous. (Ch vledge Other (Provide desc	nixed with non-exempt ste hazardous by FR, part 261, subpart D, a leck the appropriate itents)
April 1/2			
Customer Approval			T
	THIS IS NOT AN IN		
Approved By:	Date):	2,1

			Custo	mer:	COC	G OPERAT	INGLIC		Ticket #:	700 0227	11	
		1.		mer #:			INO LLO		Bid #:	700-8337 O6UJ9A0		
	DE					BECCA HAS	SKELL		Date:	9/12/2017		
n.		217	AFE #	<i>t</i> :					Generator: Generator #	COG OPI	ERATING	LLC
ENVIRONMENT	FAL	1	Manif		NA				Well Ser. #:	41534		
SOLUTIO	NS		Manif	Date:		/2017			Well Name:		FEDERAL	2
Permian Basi			Haule	er:	APS	1			Well #:	002H		
r criman Dash			Drive		ABE				Field:			
			Truck		1130)			Field #:			
			Card						Rig:	NON-DRI	Contraction of the second	
			Job R	er#					County	LEA (NM)	1	
Facility: CRI												
Product / Serv	/ice						Q	uantity U	nits			
Contaminated	Soil (R	CRA Exen	npt)					20.00	yards			
	Cell	рН	CI	Cond	d.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0	0						

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)
Driver/ Agent Signature
R360 Representative Signature

Ahar Rivers

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

RE		mer #: ed by: ^t :	COG O CRI212 REBEC NA	0	'ING LLC SKELL		Ticket #: Bid #: Date: Generator: Generator # Well Ser. #:	#:				
SQLUTIO	VS			Date:	9/12/20	17			Well Name:	AZORES	FEDERAL	25
Permian Basin			Haule Driver Truck Card i Job R	# #	APSI ABEL 1130				Well #: Field: Field #: Rig: County	002H NON-DRI LEA (NM)		
Facility: CRI												
Product / Serv	ice						Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	npt)					20.00	yards			
	Cell	рН	CI	Cond	d. %S	olids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.0	0	0						

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_____MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge ____Other (Provide description above)
Driver/ Agent Signature R360 Representative Signature

11 Rivero

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

	100									
	/ 1	Custome		COG OPERAT	ING LLC		Ticket #:	700-8340		
006	-	and the second second		REBECCA HA	SKELL		Bid #: Date:	O6UJ9A0 9/13/2017	5 A 54767	
50		AFE #:					Generator:		ERATING	LLC
ENVIRONMENTAL	20	PO #: Manifest		NA			Generator #:			
SOLUTIONS		Manif. D		9/13/2017			Well Ser. #: Well Name:	41534 AZORES	FEDERAL	
Permian Basin		Hauler:	(GOLD SPEED	TRUCKI	NG LLC	Well #:	002H		
		Driver		RANCISCO			Field:			
		Truck # Card #		10			Field #: Rig:	NON-DRI	LUNG	
		Job Ref	#				County	LEA (NM)		
Facility: CRI										
Product / Service	in a second				Q	uantity U	Inits			
Contaminated Soil (R	CRA Exen	npt)				20.00	yards			
Cell	рН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0					the second se	0.94

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____MSDS Information ____RCRA Hazardous Waste Analysis ____ Process Knowledge ___ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
Chart May	
Customer Approval	\sum_{n}
	THIS IS NOT AN INVOICE!
Approved By:	Date:

R3600 ENVIRONMENTAL SOLUTIONS Permian Basin				stomer #: CRI2120 dered by: REBECCA HASKELL E #:) #: unifest #: NA unif. Date: 9/13/2017 uler: GOLD SPEED TRUCKING LLC ver FRANICSCO uck # 10 rd #				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	Bid #:O6UJ9A00092LDate:9/13/2017Generator:COG OPERATING LLCGenerator #:41534Well Ser. #:41534Well Name:AZORES FEDERALWell #:002HField:Field #:Field #:NON-DRILLING		
Facility: CRI											
Product / Serv	vice					Q	uantity L	Inits			
Contaminated	I Soil (R	CRA Exem	pt)				20.00	yards			
	Cell	pН	CI Co	nd.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.	00	0						

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

 \underline{X} RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

_____ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by ______ characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): ______MSDS Information _____RCRA Hazardous Waste Analysis _____Process Knowledge _____Other (Provide description above) Driver/ Agent Signature

Driven Agent Signature	R360 Representative Signature
Joner M	
C Crit	
Customer Approval	

THIS IS NOT AN INVOICE!

Approved By:

R36	Ordered by: AFE #:	Customer #: CRI2120 Ordered by: REBECCA HASKELL AFE #:				Ticket #: 700-834093 Bid #: O6UJ9A00092L Date: 9/13/2017 Generator: COG OPERATING LLC					
ENVIRONMENTAL SOLUTIONS	PO #: Manifest #: Manif. Date:	NA 9/13/2	2017			Generator #: Well Ser. #: Well Name:	41534 AZORES FEDERAL				
Permian Basin		Hauler: Driver Truck #	river FRANCISCO				Well #: Field: Field #:	002H			
		Card # Job Ref #	10				Rig: County	NON-DRI LEA (NM)	and a state of the		
Facility: CRI											
Product / Service					Q	uantity L	Jnits				
Contaminated Soil (RC	CRA Exem	npt)				20.00	yards				
Cell	рН	CI Cor	nd. %	6Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight	
Lab Analysis: 50/51	0.00	0.00 0.0	00	0							-

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MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) ver/ Agent Signature // // R360 Representative Signature

Driver/Agen	R360	
Chalan		
-0	Ala	<u> </u>
Customer Ap	proval	

THIS IS NOT AN INVOIC

Approved By:

Banden TAL South ONS Permian Basin			Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CRI REE NA 9/13 GOL	REBECCA HASKELL NA 9/13/2017 GOLD SPEED TRUCKING LLC FRANCISCO			Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-834129 O6UJ9A00092L 9/13/2017 COG OPERATING LLC 41534 AZORES FEDERAL 002H NON-DRILLING LEA (NM)		
Facility: CRI											
Product / Serv	ice					Q	uantity L	Inits			
Contaminated	Soil (R	CRA Exemp	ot)				20.00	yards			
	Cell	рН	CI Con	d.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0	0	0						

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MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
Jacente /ma	
Customer Approval	
	THIS IS NOT AN INVOICE!
Approved By:	Date: