

December 18, 2020

Oil Conservation Division, District 1 1625 N. French Dr. Hobbs, NM 88240

Kelsey Wade Bureau of Land Management, CFO 620 E. Green Street Carlsbad, NM 88220

Closure Report

SL East 30 Federal COM #002H Incident #: NRM2017839486 DOR: June 5, 2020 GPS: 32.640139 -103.798660 Unit Letter P, Section 19, Township 19 South, Range 32 East Lea County, New Mexico

To Whom It May Concern,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred due to a vessel rupture at the SL East 30 Federal COM #002H tank battery. The release is located in Unit Letter P, Section 19, Township 19 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.640139 North and -103.798660 West.

BACKGROUND

The release was discovered on June 5, 2020. A C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD) and the Bureau of Land Management (BLM). The C-141 is presented in Appendix A. A vessel rupture resulted in the release of approximately ten (10) barrels (bbls) of produced water and thirty (30) bbls of oil. A vacuum truck was utilized to recover twenty-five (25) bbls of produced water and nine (9) bbls of oil.

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 | P 432.683.7443 | F 432.683.7441

GROUNDWATER AND REGULATORY FRAMEWORK

According to the New Mexico Office of the State Engineer (NMOSE) groundwater in the project vicinity is approximately three-hundred and forty-five (345) feet below ground surface (BGS). According to the United State Geological Survey (USGS) groundwater in the project vicinity is approximately six-hundred and fifty (650) feet BGS. The water well information is shown in Appendix B.

A risk based evaluation and site determinations were performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site characterization evaluation, no other receptors (water wells, playas, karst, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft.)
None Located	>100 feet

Delineation and Closure Criteria:

Recommended Remedial Action Levels (RRALs)			
Chlorides	20,000 mg/kg		
TPH (GRO and DRO and MRO)	2,500 mg/kg		
TPH (GRO and DRO)	1,000 mg/kg		
Benzene	10 mg/kg		
Total BTEX	50 mg/kg		

PROPOSED WORK PLAN

- The impacted area was excavated to depths from 0.5 (one-half) to 2 (two) feet BGS.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Confirmation soil samples were taken from the bottom and sidewalls of the excavated areas per NMED 19.15.29.13.
- The excavation will be backfilled with clean "like" material and contoured to match the surrounding terrain.

SITE RECLAMATION AND RESTORATION

All of the fluid remained on the well pad. No reclamation activities will be required at this site.

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the Bureau of Land Management grant closure approval for the SL East 30 Federal COM #002H incident that occurred on June 5, 2020.

Should you have any questions or concerns on the proposed remediation activities, please do not hesitate to contact me.

Sincerely,

Sincerely,

Sheldon Jutan

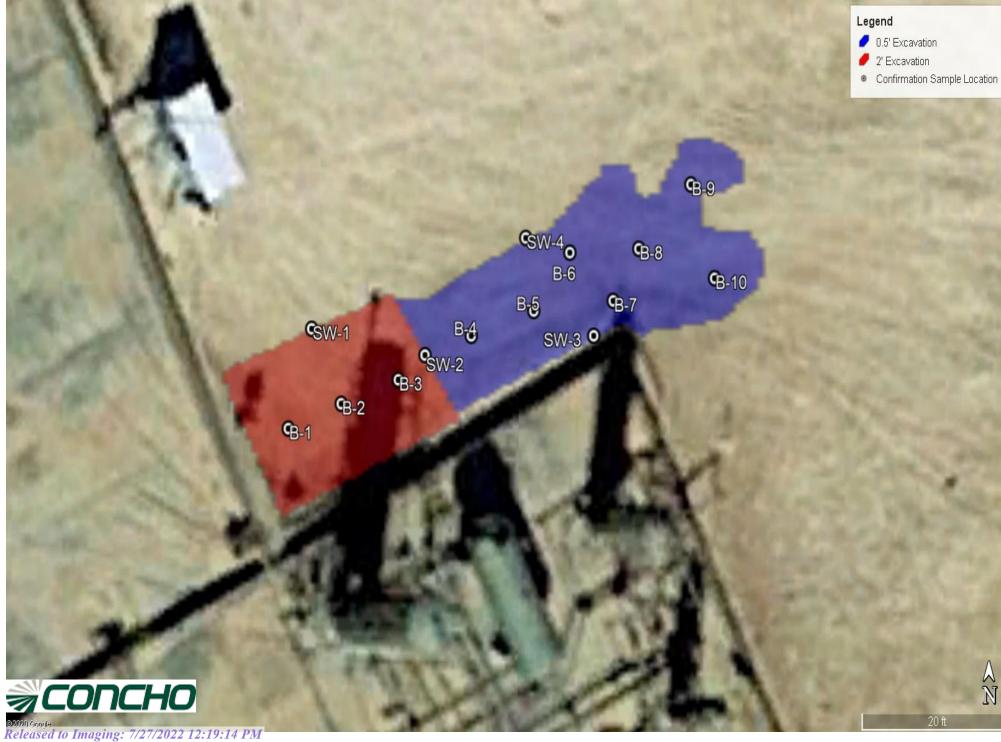
Sheldon L. Hitchcock HSE Coordinator slhitchcock@concho.com

FIGURES

Jne 5, 2020

SL East 30 Federal #002H

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TABLES

Table 1COG Operating LLC.SL East 30 Federal #002HLea County, New Mexico

	Sample	Soil Status			TPH (mg/kg)						Benzene	Total BTEX	Chloride	
Sample ID	Depth (ft)	Sample Date	In-Situ	Removed	GRO	DRO	MRO	Total	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD RRAL L	imits (mg/kg)				-	-	-	2,500	-	-	1,000	10	50	20,000
B-1	2	12/17/2020	х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	192
B-2	2	12/17/2020	Х		<10.0	184	49.1	233.1	<10.0	184	184.0	<0.050	<0.300	368
B-3	2	12/17/2020	х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	96
B-4	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	144
B-5	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	176
B-6	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	160
B-7	0.5	12/17/2020	Х		<10.0	141	26.9	167.9	<10.0	141	141.0	<0.050	<0.300	176
B-8	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	208
B-9	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	272
B-10	0.5	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	208
SW-1	N/A	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	64
SW-2	N/A	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	96
SW-3	N/A	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	176
SW-4	N/A	12/17/2020	Х		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	48

APPENDIX A

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Longitude

Latitude	

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

(NAD 83 in decimal degrees to 5 decimal places)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🗌 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:	Title:
Signature: Sheldon guitan	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

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Received by OCD: 7/25/2022 1:18:17 PM Form C-141 State of New Mexico

Oil Conservation Division

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Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)							
Did this release impact groundwater or surface water?								
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.

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Received by OCD: 7/25/2	State of New Mexico		Page 12 of 42				
Form C-141			Incident ID				
Page 4	Oil Conservation Division		District RP				
			Facility ID				
			Application ID				
regulations all operators a public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	formation given above is true and complete to the re required to report and/or file certain release no onment. The acceptance of a C-141 report by the tigate and remediate contamination that pose a thu e of a C-141 report does not relieve the operator o	tifications and perform c OCD does not relieve th reat to groundwater, surf f responsibility for comp	corrective actions for rele e operator of liability sh ace water, human health oliance with any other fe	eases which may endanger ould their operations have or the environment. In ederal, state, or local laws			
email:		Telephone:					
OCD Only							
Received by:		Date:					

Received by OCD: 7/25/2022 1:18:17 PM Form C-141 State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

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Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Title: Signature: Sheldon Jutan Date: email: Telephone: _____ OCD Only Received by: Date: Denied Deferral Approved Approved Approved with Attached Conditions of Approval Signature: Date:

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Oil Conservation Division

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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	ems 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 rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the cor accordance with 19.15.29.13 NMAC including notification to the OP Printed Name:	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 inditions that existed prior to the release or their final land use in							
Signature: Sheldon guiton	Date:							
	Telephone:							
	·							
OCD Only								
Received by:	Date:							
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible or regulations.							
Closure Approved by: <u>Jennifer Nobui</u>	Date:							
Printed Name:	Title:							

APPENDIX B



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replace O=orphaned C=the file is closed)	ed, I, (1					=NE 3= t to larg	=SW 4=SE est) (N/) AD83 UTM in me	eters)	(In feet)	
POD Number	POD Sub- Code basin	County	QQ 6416		Sec	Tws	Rng	х	Y	Distance	-	-	Water Column
CP 00639 POD1	CP	LE	3	1	20	19S	32E	613029	3612880* 🌍	897	350	345	5
									Avera	ge Depth to	Water:	345	feet
										Minimum	Depth:	345	feet
										Maximum	Depth:	345	feet
Record Count: 1													
Basin/County Search:	<u>.</u>												
County: Lea													
UTMNAD83 Radius Se	earch (in met	ters):											
Easting (X): 61262	7		North	ina	<i>.</i>	261	2072		Padius	1000			

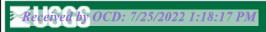
Easting (X): 612637

Northing (Y): 3612073

Radius: 1000

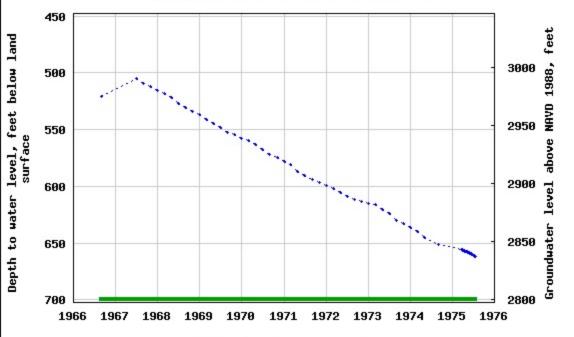
*UTM location was derived from PLSS - see Help

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.

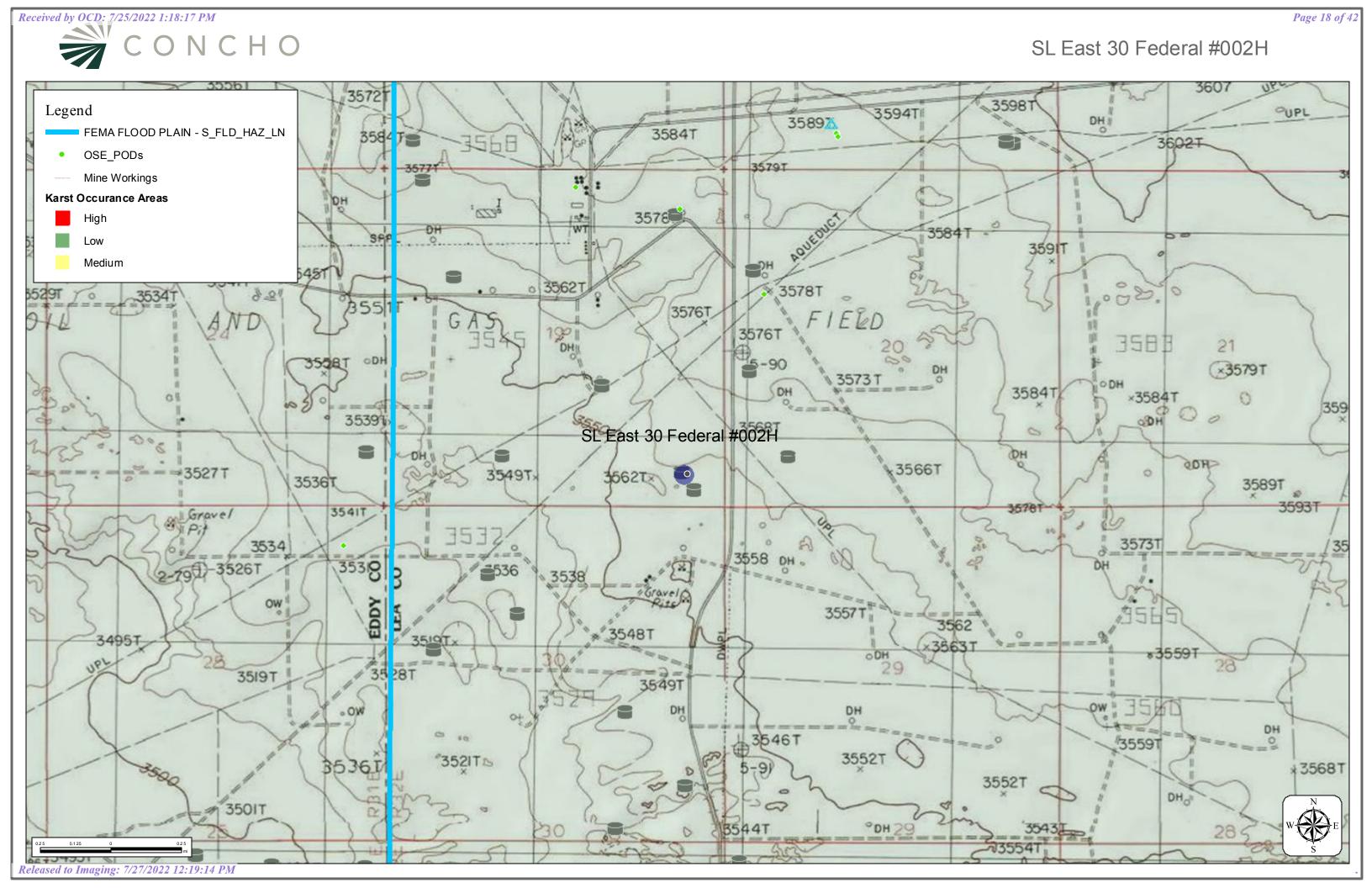


USGS 323712103491001 19S.32E.31.114

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Released to Imaging: 7/27/2022-12plp-164Pdf approved data







December 18, 2020

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630

ARTESIA, NM 88210

RE: SL EAST 30 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/17/20 13:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1	<u> </u>		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: B - 1 2' (H003302-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/18/2020	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	91.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.5	% 42.2-15	/						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	SH P. AR	DG OPERA HELDON H O. BOX 16 RTESIA NM ax To:	ITCHCOCK 530		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN LEA CO NM			Sample Received By:	Tamara Oldaker
	LLA CO MIN				

Sample ID: B - 2 2' (H003302-02)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/18/2020	ND	416	104	400	3.92	
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	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	184	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	49.1	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	COG OI	PERATING		
	SHELD	ON HITCHCOCK		
	P. O. B	OX 1630		
	ARTESI	A NM, 88210		
	Fax To:	NONE		
Received:	12/17/2020		Sampling Date:	12/17/2020
Reported:	12/18/2020		Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM			

Sample ID: B - 3 2' (H003302-03)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/18/2020	ND	400	100	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	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	88.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	SHELDO P. O. B	PERATING ON HITCHCOCK OX 1630 IA NM, 88210 : NONE		
Received:	12/17/2020		Sampling Date:	12/17/2020
Reported:	12/18/2020		Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM			

Sample ID: B - 4 0.5' (H003302-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	85.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPERA SHELDON H P. O. BOX 1 ARTESIA N Fax To:	HITCHCOCK 1630			
Received:	12/17/2020			Sampling Date:	12/17/2020	
Reported:	12/18/2020			Sampling Type:	Soil	
Project Name:	SL EAST 30 FED #1	L		Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldake	r
Project Location:	LEA CO NM					

Sample ID: B - 5 0.5' (H003302-05)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	73.3-12	9						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	91.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPERA SHELDON H P. O. BOX 1 ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1	1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: B - 6 0.5' (H003302-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	79.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		P. O. BOX ARTESIA N	HITCHCOCK 1630 IM, 88210		
		Fax To:	NONE		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #:	1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: B - 7 0.5' (H003302-07)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	141	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	26.9	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON I P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1	1		Sampling Condition:	Cool & Intact
Project Number: Project Location:	None given Lea co nm			Sample Received By:	Tamara Oldaker

Sample ID: B - 8 0.5' (H003302-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.1	% 42.2-15	6						

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	COG OPER	ATING			
	SHELDON	HITCHCOCK			
	P. O. BOX	1630			
	ARTESIA N	IM, 88210			
	Fax To:	NONE			
12/17/2020			Sampling Date:		12/17/2020
12/18/2020			Sampling Type:		Soil
SL EAST 30 FED #1	L		Sampling Condition:		Cool & Intact
NONE GIVEN			Sample Received By:		Tamara Oldaker
LEA CO NM					
	12/18/2020 SL EAST 30 FED #1 NONE GIVEN	SHELDON P. O. BOX ARTESIA N Fax To: 12/17/2020 12/18/2020 SL EAST 30 FED #1 NONE GIVEN	12/17/2020 12/18/2020 SL EAST 30 FED #1 NONE GIVEN	SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE 12/17/2020 12/18/2020 SL EAST 30 FED #1 NONE GIVEN Sampling Condition: Sample Received By:	SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE 12/17/2020 Sampling Date: 12/18/2020 Sampling Type: SL EAST 30 FED #1 Sampling Condition: NONE GIVEN Sample Received By:

Sample ID: B - 9 0.5' (H003302-09)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/18/2020	ND	400	100	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	12/18/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	12/18/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/18/2020	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPER	ATING		
		SHELDON	HITCHCOCK		
		P. O. BOX	1630		
		ARTESIA N	IM, 88210		
		Fax To:	NONE		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #3	1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: B - 10 0.5' (H003302-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	208	16.0	12/18/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	226	113	200	0.983	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	220	110	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	94.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.4	% 42.2-15	6						

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		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #	1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: SW - 1 (H003302-11)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/18/2020	ND	400	100	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	12/17/2020	ND	226	113	200	0.983	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	220	110	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		COG OPER SHELDON P. O. BOX ARTESIA N Fax To:	HITCHCOCK 1630		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1	L		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: SW - 2 (H003302-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/18/2020	ND	400	100	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	12/17/2020	ND	226	113	200	0.983	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	220	110	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		Fax To:	NONE		
Received:	12/17/2020			Sampling Date:	12/17/2020
Reported:	12/18/2020			Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1	1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM				

Sample ID: SW - 3 (H003302-13)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/18/2020	ND	400	100	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	12/17/2020	ND	226	113	200	0.983	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	220	110	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



	COG OPER	ATING		
	SHELDON	HITCHCOCK		
	P. O. BOX	1630		
	ARTESIA N	IM, 88210		
	Fax To:	NONE		
Received:	12/17/2020		Sampling Date:	12/17/2020
Reported:	12/18/2020		Sampling Type:	Soil
Project Name:	SL EAST 30 FED #1		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM			

Sample ID: SW - 4 (H003302-14)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/18/2020	ND	400	100	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	12/17/2020	ND	226	113	200	0.983	
DRO >C10-C28*	<10.0	10.0	12/17/2020	ND	220	110	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	OCD:Relinquished by:	7/25/2 Comparison of	Sheep	Relinquished by:	0/	9	op.	2	6	5	4	w	N	1	(LAB USE)	LAB#	1102200	Comments:	Receiving Laboratory:		state)	3	Cheffic Manie.	Client Name:	Analysis Rec
			to the		3-10 0.5'	3-9 0.5	0-8 0.5'	3-2 0.5	0-6 0.5'	B-5 0.5'	3-4 05	- 2	3-2 2'	3-1 2'		SAMPLE IDENTIFICATION			and inal	Sheldon Hitchcock	Leq, NM	51 East 30	COG-Artesia	O N C H O	Analysis Request of Chain of Custody Record
	Date:	Date.	Date:	Date:												NTIFICA				¥		-			Recor
	Time:		Time:	Time:												TION						st #1			
	Received by:	noonou oj.	Percived hr	Received by:	1 1	. 9		-						12(1) 1	DATE	YEAR: 202	SAMPLING		Sampler Name:		Filipertin.	Droinet #	olle malidger.	Site Managor	
			11 de		12:10	12 05	11:55	1: 50	It: 45	11 1 40	11:35	11:30	11,25	2.1	TIME	6	ING								
				11/11						-			-	×	WATEF SOIL	2	MATRIX		Sheldo				Sheldon Hitchcock	One Conch Avenue Tel (4	
	Date: Time:		12-17-2	Date: Time:									1	X	HCL HNO3 ICE		PRESERVATIVE		Sheldon Hitchcock				Hitchcock	One Concho Center/600/Illinois Avenue/Midland, Texas Tel (432) 683-7443	
			0/0										F	-	# CONT	AINE									
â		S	Ä		-								-	C	(C)ompo									4	
(Circle), HAND DELIVERED	#113	Sample Temperature			11	(Ē					XX	BTEX 80		(GRC) - DRO -	MRO)						
ND DELIN	1	C	LAD USE ONLI		2		-	-	-	-	-			×	Chloride				_				(Ci		
	.g.		Ē	1.11																			cle oi		
FEDEX U	se [RU	REMARKS:																			ANALYSIS REQUEST or Specify Metho		
UPS Tra	cial Rep	sh Charo	SH: Sa	<u></u>																			s req		
Tracking #:	Special Report Limits or TRRP Report	Rush Charges Authorized	RUSH: Same Day 24 hr																				ANALYSIS REQUEST Circle or Specify Method No.		P
	or TRR	rized	24 hr																				No.)		Page _
	P Report	5	16 hr														_								-
			2 hr		-																				of
															Hold									Page	

Inient Name: COG-Artesia Site Manager: Sheldon Hitchcock ANALYSIS Corcle or Specific Circle or Specific Circle or Specific Circle or Specific	SL Port 30 E-J #	Last SO Fred	Sheldon Hitchcock Laboratory:	SAMPLING MATRIX PRESERVATIVE SAMPLING MATRIX METHOD RS (G) rab	AATER SOIL HCL HNO ₃ ICE # CONTAINE (C)omposite/ TPH 8015M BTEX 8021B	1 2/17 12! 15 X X X			50-4		Relinquished by: Date: Time: Received by: Date: Time: LAB USE ONLY REMARKS:	Sample Temperature	Relinquished by: Date: Time: Date: Time: Time: Time: Time: Time: Time: Time:	e SL Bast 30 Frd tion: county. Led, NM Sheldon Hitchcock aboratory: Card Jud SU-1 SU-2 SU-2 SU-2 SU-2 SU-2 SU-2 SU-2 Date: hed by: Date:	PLING MATRIX PRESERVATIVE MATRIX Sheldon Hitchcock 12:15 X HCL 12:25 1 <th>ANALYSIS REQUEST (Circle or Specify Method No.) BTEX 8021B BTEX 8021B Chloride Chlor</th>	ANALYSIS REQUEST (Circle or Specify Method No.) BTEX 8021B BTEX 8021B Chloride Chlor
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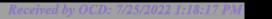
Page 37 of 42

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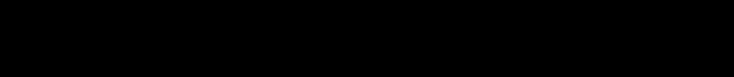
Received by OCD: 7/25/2022 1:18:17 PM

Released to Imaging: 7/27/2022 12:19:14 PM

APPENDIX D







4



COG OPERATING LLC SL EAST 30 FEDERAL COM #2H UL P SEC.19-T19S-R32E 520' FSL & 530' FEL LEA COUNTY, NM API #30-025-42524 SHL: NMNM-025566 BHL: NMNM-59045 UL "H": NMNM-0107698 UL "A": NMNM-01218 COM #



Received by OCD: 7/25/2022 1:18:17 PM





② 247°SW (T) ● 32.639887°, -103.798856° ±32ft ▲ 3657ft



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	128474
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Crea By	ed Condition	Condition Date
jno	ui Closure Approved. However, please note that the depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old. Two exceedances (>100 mg/kg TPH) were detected from confirmation soil samples. Please make sure 19.15.29.13 NMAC is implemented when completing P&A at this site.	7/27/2022

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CONDITIONS

Action 128474