

August 18, 2017

Olivia Yu  
Oil Conservation Division, District 1  
1625 French Drive  
Hobbs, NM 88240

Amber Groves  
New Mexico State Land Office  
2827 N. Dal Paso Suite 117  
Hobbs, NM 88260

Re: Closure Request Letter  
Macho Nacho State #002H (1RP-4527)  
API #: 30-025-39883  
Unit Letter H Section 07, Township 24S, Range 33E  
Lea County, NM

Ms. Yu / Ms. Groves,

COG Operating LLC (COG) is pleased to submit for your consideration the following Closure Request for the Macho Nacho #002H flare fire. The flare fire occurred on December 7, 2017 and impacted an area of pasture adjacent to the flare. This closure letter is in response to a request from the NMOCD that a soil sample be collected from the burned pasture.

On July 18, 2017, a COG representative collected a soil sample from the impacted area. Analytical results indicate no significant impact to the pasture and are provided below.

Macho Nacho State #002H 12-7-16					
H-07-24S-33E					
Sample ID	Date	Chloride mg/Kg	Benzene mg/Kg	BTEX mg/Kg	TPH mg/Kg
CS-1 6"	7/18/2017	<4.94	<0.00351	<00351	<15.0

COG Operating LLC respectfully requests that the NMOCD and SLO grant closure approval for the Macho Nacho State #002H Flare Fire incident that occurred on December 7, 2016. If you have any questions or concerns please contact me.

**APPROVED**  
*By Olivia Yu at 9:11 am, Mar 13, 2018*

NMOCD grants closure to 1RP-4527.

August 18, 2017

Sincerely,



Rebecca Haskell  
Senior HSE Coordinator  
[rhaskell@concho.com](mailto:rhaskell@concho.com)

Enclosed:

- (1) Site Diagram
- (2) Laboratory Analytical Reports and Chain-of-Custody Forms
- (3) Initial C-141
- (4) Final C-141

# Macho Nacho #2H

Flare Sample

## Legend

-  Macho Nacho State #002H
-  SP-1 6"
-  Misted Area

SP-1 6"

Macho Nacho State #002H





# Certificate of Analysis Summary 558123

COG Operating, LLC, Midland, TX

Project Name: Macho Nacho #2H



**Project Id:**  
**Contact:** Rebecca Haskell  
**Project Location:** Lea County, New Mexico

**Date Received in Lab:** Thu Jul-20-17 03:54 pm  
**Report Date:** 28-JUL-17  
**Project Manager:** Kelsey Brooks

<b>Analysis Requested</b>	<b>Lab Id:</b>	558123-001				
	<b>Field Id:</b>	CS-1 6"				
	<b>Depth:</b>	6- In				
	<b>Matrix:</b>	SOIL				
	<b>Sampled:</b>	Jul-18-17 00:00				
<b>BTEX by EPA 8021B</b>	<b>Extracted:</b>	Jul-25-17 17:10				
	<b>Analyzed:</b>	Jul-26-17 11:32				
	<b>Units/RL:</b>	mg/kg RL				
	Benzene	<0.00351 0.00351				
	Toluene	<0.00351 0.00351				
	Ethylbenzene	<0.00351 0.00351				
	m,p-Xylenes	<0.00702 0.00702				
	o-Xylene	<0.00351 0.00351				
Total Xylenes	<0.00351 0.00351					
Total BTEX	<0.00351 0.00351					
<b>Inorganic Anions by EPA 300/300.1</b>	<b>Extracted:</b>	Jul-25-17 12:45				
	<b>Analyzed:</b>	Jul-25-17 19:57				
	<b>Units/RL:</b>	mg/kg RL				
Chloride	<4.95 4.95					
<b>TPH By SW8015 Mod</b>	<b>Extracted:</b>	Jul-26-17 11:00				
	<b>Analyzed:</b>	Jul-26-17 14:55				
	<b>Units/RL:</b>	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0				
	Diesel Range Organics (DRO)	<15.0 15.0				
	Oil Range Hydrocarbons (ORO)	<15.0 15.0				
Total TPH	<15.0 15.0					

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

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Kelsey Brooks  
Project Manager

# Analytical Report 558123

for  
**COG Operating, LLC**

**Project Manager: Rebecca Haskell**

**Macho Nacho #2H**

**28-JUL-17**

Collected By: Client



**1211 W. Florida Ave, Midland TX 79701**

Xenco-Houston (EPA Lab code: TX00122):  
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)  
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)  
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)  
Xenco-San Antonio: Texas (T104704534)  
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)  
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



28-JUL-17

Project Manager: **Rebecca Haskell**  
**COG Operating, LLC**  
600 W Illinois  
Midland, TX 79701

Reference: XENCO Report No(s): **558123**  
**Macho Nacho #2H**  
Project Address: Lea County, New Mexico

**Rebecca Haskell:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 558123. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 558123 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

**Kelsey Brooks**

Project Manager

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# Sample Cross Reference 558123



## COG Operating, LLC, Midland, TX

Macho Nacho #2H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-1 6"	S	07-18-17 00:00	6 In	558123-001



## CASE NARRATIVE

*Client Name: COG Operating, LLC*

*Project Name: Macho Nacho #2H*

Project ID:  
Work Order Number(s): 558123

Report Date: 28-JUL-17  
Date Received: 07/20/2017

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### **Sample receipt non conformances and comments:**

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### **Sample receipt non conformances and comments per sample:**

None

### **Analytical non conformances and comments:**

Batch: LBA-3023313 BTEX by EPA 8021B

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

## COG Operating, LLC, Midland, TX

Macho Nacho #2H

Sample Id: <b>CS-1 6"</b>	Matrix: Soil	Date Received: 07.20.17 15.54
Lab Sample Id: 558123-001	Date Collected: 07.18.17 00.00	Sample Depth: 6 In
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: RHE		% Moisture:
Analyst: MGO	Date Prep: 07.25.17 12.45	Basis: Wet Weight
Seq Number: 3023232		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	07.25.17 19.57	U	1

Analytical Method: TPH By SW8015 Mod	Prep Method: TX1005P
Tech: ARM	% Moisture:
Analyst: ARM	Date Prep: 07.26.17 11.00
Seq Number: 3023421	Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 14.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 14.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 14.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 14.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	07.26.17 14.55	
o-Terphenyl	84-15-1	101	%	70-135	07.26.17 14.55	



# Certificate of Analytical Results 558123



## COG Operating, LLC, Midland, TX

Macho Nacho #2H

Sample Id: **CS-1 6"**  
 Lab Sample Id: 558123-001

Matrix: Soil  
 Date Collected: 07.18.17 00.00

Date Received: 07.20.17 15.54  
 Sample Depth: 6 In

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.25.17 17.10

Basis: Wet Weight

Seq Number: 3023313

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
Toluene	108-88-3	<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
Ethylbenzene	100-41-4	<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
m,p-Xylenes	179601-23-1	<0.00702	0.00702	mg/kg	07.26.17 11.32	U	1
o-Xylene	95-47-6	<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
Total Xylenes	1330-20-7	<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
Total BTEX		<0.00351	0.00351	mg/kg	07.26.17 11.32	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	109	%	80-120	07.26.17 11.32		
1,4-Difluorobenzene	540-36-3	99	%	80-120	07.26.17 11.32		

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

\*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

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

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 1211 W Florida Ave, Midland, TX 79701  
 2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282

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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	



COG Operating, LLC

Macho Nacho #2H

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3023232

MB Sample Id: 728189-1-BLK

Matrix: Solid

LCS Sample Id: 728189-1-BKS

Prep Method: E300P

Date Prep: 07.25.17

LCSD Sample Id: 728189-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	250	100	249	100	90-110	0	20	mg/kg	07.25.17 18:33	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3023232

Parent Sample Id: 558119-001

Matrix: Soil

MS Sample Id: 558119-001 S

Prep Method: E300P

Date Prep: 07.25.17

MSD Sample Id: 558119-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.98	249	267	107	265	106	90-110	1	20	mg/kg	07.25.17 18:55	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3023232

Parent Sample Id: 558155-004

Matrix: Soil

MS Sample Id: 558155-004 S

Prep Method: E300P

Date Prep: 07.25.17

MSD Sample Id: 558155-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.98	249	296	119	296	119	90-110	0	20	mg/kg	07.25.17 20:43	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023421

MB Sample Id: 728351-1-BLK

Matrix: Solid

LCS Sample Id: 728351-1-BKS

Prep Method: TX1005P

Date Prep: 07.26.17

LCSD Sample Id: 728351-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1030	103	1020	102	70-135	1	35	mg/kg	07.26.17 11:57	
Diesel Range Organics (DRO)	<15.0	1000	1020	102	1030	103	70-135	1	35	mg/kg	07.26.17 11:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		128		127		70-135	%	07.26.17 11:57
o-Terphenyl	92		101		90		70-135	%	07.26.17 11:57



COG Operating, LLC

Macho Nacho #2H

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023421

Parent Sample Id: 558118-001

Matrix: Soil

MS Sample Id: 558118-001 S

Prep Method: TX1005P

Date Prep: 07.26.17

MSD Sample Id: 558118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1010	101	978	98	70-135	3	35	mg/kg	07.26.17 12:57	
Diesel Range Organics (DRO)	<15.0	1000	1080	108	1030	103	70-135	5	35	mg/kg	07.26.17 12:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		114		70-135	%	07.26.17 12:57
o-Terphenyl	76		77		70-135	%	07.26.17 12:57

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023313

MB Sample Id: 728252-1-BLK

Matrix: Solid

LCS Sample Id: 728252-1-BKS

Prep Method: SW5030B

Date Prep: 07.25.17

LCSD Sample Id: 728252-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0956	95	0.0975	98	70-130	2	35	mg/kg	07.26.17 04:28	
Toluene	<0.00202	0.101	0.0953	94	0.0979	98	70-130	3	35	mg/kg	07.26.17 04:28	
Ethylbenzene	<0.00202	0.101	0.0986	98	0.101	101	71-129	2	35	mg/kg	07.26.17 04:28	
m,p-Xylenes	<0.00404	0.202	0.192	95	0.196	98	70-135	2	35	mg/kg	07.26.17 04:28	
o-Xylene	<0.00202	0.101	0.0975	97	0.0996	100	71-133	2	35	mg/kg	07.26.17 04:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		102		103		80-120	%	07.26.17 04:28
4-Bromofluorobenzene	105		108		109		80-120	%	07.26.17 04:28

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023313

Parent Sample Id: 558338-004

Matrix: Soil

MS Sample Id: 558338-004 S

Prep Method: SW5030B

Date Prep: 07.25.17

MSD Sample Id: 558338-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0841	84	0.0796	79	70-130	5	35	mg/kg	07.26.17 05:05	
Toluene	<0.00200	0.100	0.0842	84	0.0790	78	70-130	6	35	mg/kg	07.26.17 05:05	
Ethylbenzene	<0.00200	0.100	0.0854	85	0.0793	79	71-129	7	35	mg/kg	07.26.17 05:05	
m,p-Xylenes	<0.00401	0.200	0.166	83	0.153	76	70-135	8	35	mg/kg	07.26.17 05:05	
o-Xylene	<0.00200	0.100	0.0835	84	0.0774	77	71-133	8	35	mg/kg	07.26.17 05:05	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		107		80-120	%	07.26.17 05:05
4-Bromofluorobenzene	120		120		80-120	%	07.26.17 05:05



Setting the Standard since 1990  
 Stafford, Texas (281-240-4200)  
 Dallas Texas (214-902-0300)

# CHAIN OF CUSTODY

Page -1- OF -1-

San Antonio, Texas (210-509-3334)  
 Midland, Texas (432-704-5251)

www.xenco.com

Phoenix, Arizona (480-355-0900)

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes													
Company Name / Branch: Concho		Project Name/Number: Macho Nacho #2H		Xenco Quote #		Xenco Job #													
Company Address: 600 W. Illinois Avenue Midland, Texas		Project Location: Lea County, New Mexico		558123		558123													
Email: fhaskell@concho.com Phone No: (432) 556-5130		Invoice To: Concho																	
Project Contact: Rebecca Haskell		PO Number:																	
Sampler's Name: Robert Grubbs Jr																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	ICB	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Clorides E300	BTEX 8021	TPH 8015 Ext	Field Comments	
1	CS-1 6"	6"	7/18/2017		Soil	1	X								X	X	X		
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Turnaround Time (Business days)																			
<input type="checkbox"/> Same Day TAT <input checked="" type="checkbox"/> 5 Day TAT <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> Contract TAT <input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> TRRP Checklist		<input type="checkbox"/> Level IV (Full Data Pkg /raw data) <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> UST / RG -411															
TAT Starts Day received by Lab, if received by 5:00 pm																			
Relinquished by Sampler:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:		Received By:		Date Time:	
1		7/18/2017		1		7/18/2017		2		7/18/2017		3		7/18/2017		4		7/18/2017	
3				3				4				5				6			
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:		Received By:		Date Time:	
5				5				6				7				8			

Temp: 1.2 IR ID: R-8  
 CF: (-0.6: -0.2°C)  
 (6-23: +0.2°C)  
 Corrected Temp: 1.0

- W = Water
- S = Soil/Sed/Solid
- GW = Ground Water
- DW = Drinking Water
- P = Product
- SW = Surface water
- SL = Sludge
- OW = Ocean/Sea Water
- WI = Wipe
- O = Oil
- WW = Waste Water
- A = Air

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.



# XENCO Laboratories

## Prelogin/Nonconformance Report- Sample Log-In



**Client:** COG Operating, LLC

**Date/ Time Received:** 07/20/2017 03:54:00 PM

**Work Order #:** 558123

**Acceptable Temperature Range:** 0 - 6 degC

**Air and Metal samples Acceptable Range:** Ambient

**Temperature Measuring device used :** R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	No
#21 VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

**Checklist completed by:** Shawnee Smith Date: 07/21/2017

**Checklist reviewed by:** Kelsey Brooks Date: 07/21/2017

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

Form C-141  
Revised August 8, 2011

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.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company:	COG Operating LLC	Contact:	Robert McNeill
Address:	600 West Illinois Avenue, Midland TX 79701	Telephone No.	432-683-7443
Facility Name:	MACHO NACHO STATE #002H	Facility Type:	Tank Battery

Surface Owner:	State	Mineral Owner:	API No.	30-025-39883
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	07	24S	33E	1870'	North	330'	East	Lea

**RECEIVED**

Latitude 32.2343559 Longitude 103.6039429

By OCD Dr Oberding at 2:13 pm, Dec 12, 2016

**NATURE OF RELEASE**

Type of Release:	Oil (Fire)	Volume of Release:	1/2bbl	Volume Recovered:	0bbl
Source of Release:	Flare	Date and Hour of Occurrence:	12/07/2016 5:30pm	Date and Hour of Discovery:	12/07/2016 5:30pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour:			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

OCD- Accepted as initial only

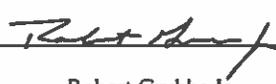
Describe Cause of Problem and Remedial Action Taken.\*

This release was caused by fluid going through the flare causing a fire. The fire was quickly extinguished itself before the fire department arrived due to the limited amount of fluid that escaped the flare.

Describe Area Affected and Cleanup Action Taken.\*

This release occurred in the pasture. No fluid was recovered due to the fire burning off any standing fluid.

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

Signature:		<b>OIL CONSERVATION</b>	
Printed Name:	Robert Grubbs Jr.	Hydrologist	
Title:	Senior Environmental Coordinator	Approved by Environmental Specialist:	
E-mail Address:	rgrubbs@concho.com	Approval Date:	12/12/2016
Date:	December 9, 2016	Phone:	432-683-7443
Conditions of Approval:		Attached <input type="checkbox"/>	
See attached sheet		1R-4527	

\* Attach Additional Sheets If Necessary

pTO1634755736  
nTO1634751726

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Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: COG Operating LLC OGRID # 229137	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443
Facility Name: Macho Nacho State #002H	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
API No. 30-025-39883	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	07	24S	33E	1870	North	330	East	Lea

Latitude 32.2343559 Longitude -103.6039429

**NATURE OF RELEASE**

Type of Release: Oil (Fire)	Volume of Release: 0.5 bbls	Volume Recovered: 0 bbls
Source of Release: Flare	Date and Hour of Occurrence: December 7, 2016 5:30 pm	Date and Hour of Discovery: December 7, 2016 5:30 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**APPROVED**  
By Olivia Yu at 9:12 am, Mar 13, 2018

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The release was caused by fluid going through the flare causing a fire. The fire was quickly extinguished itself before the fire department arrived due to the limited amount of fluid that escaped the flare.

Describe Area Affected and Cleanup Action Taken.\*

This release was located in the pasture. No fluid to recover due to the fire burning off any standing fluids. The pasture was sampled on July 18, 2017, and analytical results indicated no significant impact to the pasture was present.

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

Signature: <i>Rebecca Haskell</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <i>oy</i>	
Title: Senior HSE Coordinator	Approval Date: 3/13/2018	Expiration Date: xx/xx/xxxx
E-mail Address: rhaskell@concho.com	Conditions of Approval:	
Date: August 18, 2017 Phone: 432-683-7443	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

1RP-4527