

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² O GRID Number 229137	
		³ Reason for Filing Code/ Effective Date NW	
API Number 30-025-46066	⁵ Pool Name Red Hills; Bone Spring, East		⁶ Pool Code 97369
⁷ Property Code 325724	⁸ Property Name Brot Helm Federal Com		⁹ Well Number 602H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	35	24S	34E		250	North	1225	East	Lea

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	2	25S	34E		51	South	1167	East	Lea
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 4/20/20		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter O GRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	ACC	O
36785	Targa Midstream Services, LP 1000 Louisiana STE4700 Houston, TX 77002	G
278421	Holly Refining and Marketing PO Box 159 Artesia, NM 88210	O

IV. Well Completion Data

²¹ Spud Date 7/18/19	²² Ready Date 4/9/20	²³ TD 22,710'	²⁴ PBTD 22,625'	²⁵ Perforations 12,775-22,524'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	1084'		950
12 1/4"		9 5/8"	11,869'		2725
8 1/2"		5 1/2"	22,700'		4350
		2 7/8"	11,780'		

V. Well Test Data

³¹ Date New Oil 4/20/20	³² Gas Delivery Date 4/20/20	³³ Test Date 4/20/20	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 4036#	³⁶ Csg. Pressure 1406#
³⁷ Choke Size 14/64	³⁸ Oil 45	³⁹ Water 1552	⁴⁰ Gas 111		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Amanda Avery</i>			OIL CONSERVATION DIVISION Approved by: Patricia Martinez Title: LM II Approval Date: 6/11/2020		
Printed name: Amanda Avery					
Title: Regulatory Analyst					
E-mail Address:					
Date: 6/2/2020		Phone: 575-748-6962			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM123535

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BROT HELM FEDERAL COM 602H9. API Well No.
30-025-46066-00-X110. Field and Pool or Exploratory Area
WC025G09S253402N-WOLFCAMP11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC
Contact: AMANDA AVERY
E-Mail: aaavery@concho.com3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287
3b. Phone No. (include area code)
Ph: 575-748-69404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 35 T24S R34E NENE 250FNL 1225FEL
32.180565 N Lat, 103.436203 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Hydraulic Fracture
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

12/19/19 Test annulus to 1500# Set Composite Bridge plug @ 22,625' and test csg to 11,601#. Test Good.

3/4/20 to 3/20/20 Perf 12,775 -22,524 (1470). Acdz w/17,136 gal 7 1/2%; frac w/ 20,043,770# sand & 18,886,439 gal fluid.

3/31/20 to 4/2/20 Drilled out CFP's. Clean down to PBTD @ 22,625'.

4/9/20 Set 2 7/8" 6.5# L-80 tbg @ 11,780' packer @ 11,770'. Installed gas lift system.

4/20/20 Began flowing back & testing Date of first production

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #514392 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 05/06/2020 (20PP2506SE)**

Name (Printed/Typed) AMANDA AVERY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/06/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJONATHON SHEPARD
Title PETROELUM ENGINEER

Date 05/20/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

PM

Revisions to Operator-Submitted EC Data for Sundry Notice #514392

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM123535	NMNM123535
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940
Tech Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	RED HILLS; BONE SPRING	WC025G09S253402N-WOLFCAMP
Well/Facility:	BROT HELM FEDERAL COM 602H Sec 35 T24S R34E Mer NMP NENE 250FNL 1225FEL 32.180563 N Lat, 103.436200 W Lon	BROT HELM FEDERAL COM 602H Sec 35 T24S R34E NENE 250FNL 1225FEL 32.180565 N Lat, 103.436203 W Lon

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other				5. Lease Serial No. NMNM123535	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____				6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC				Contact: AMANDA AVERY E-Mail: aavery@concho.com	
3. Address 2208 W MAIN STREET ARTESIA, NM 88210				3a. Phone No. (include area code) Ph: 575-748-6940	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 35 T24S R34E Mer NMP At surface NENE Lot A 250FNL 1225FEL 32.180563 N Lat, 103.436200 W Lon Sec 35 T24S R34E Mer NMP At top prod interval reported below NENE Lot A 250FNL 1225FEL 32.180563 N Lat, 103.436200 W Lon Sec 2 T25S R34E Mer NMP At total depth SESE Lot P 51FSL 1167FEL 32.152378 N Lat, 103.435986 W Lon				8. Lease Name and Well No. BROT HELM FEDERAL COM 602H	
14. Date Spudded 07/18/2019				15. Date T.D. Reached 10/01/2019	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/09/2020				9. API Well No. 30-025-46066	
17. Elevations (DF, KB, RT, GL)* 3416 GL				10. Field and Pool, or Exploratory RED HILLS; BONE SPRING	
18. Total Depth: MD 22710 TVD 12704				19. Plug Back T.D.: MD 22625 TVD 12704	
20. Depth Bridge Plug Set: MD 22625 TVD 12704				11. Sec., T., R., M., or Block and Survey or Area Sec 35 T24S R34E Mer NMP	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				12. County or Parish LEA	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)				13. State NM	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1084		950		0	
12.250	9.625 L80	47.0	0	11869	5403	2725		0	
8.500	5.500 P110	23.0	0	22700		4350		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	11780	11770						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	22775	22524	12775 TO 22524		1470	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12775 TO 22524	17,136 7 1/2%, 20,043,770# SAND, 18,886,439 GAL FLUID.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/20/2020	04/20/2020	24	→	45.0	111.0	1552.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. 4036 SI	Csg. Press. 1406.0	24 Hr. Rate →	Oil BBL 45	Gas MCF 111	Water BBL 1552	Gas:Oil Ratio	Well Status	
14/28								POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #514393 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	952			RUSTLER	952
TOP OF SALT	1493			TOP OF SALT	1493
BOTTOM OF SALT	5228			BOTTOM OF SALT	5228
LAMAR	5508			LAMAR	5508
BELL CANYON	5537			BELL CANYON	5537
CHERRY CANYON	6494			CHERRY CANYON	6494
BRUSHY CANYON	8093			BRUSHY CANYON	8093
BONE SPRING LIMESTONE	9250			BONE SPRING LIMESTONE	9250

32. Additional remarks (include plugging procedure):
FIRST BONE SPRING 10551
SECOND BONE SPRING 11096
THIRD BONE SPRING 12227

33. Circle enclosed attachments:			
1. Electrical/Mechanical Logs (1 full set req'd.)	2. Geologic Report	3. DST Report	4. Directional Survey
5. Sundry Notice for plugging and cement verification	6. Core Analysis	7 Other:	

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):
Electronic Submission #514393 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name(<i>please print</i>) <u>AMANDA AVERY</u>	Title <u>REGULATORY ANALYST</u>
Signature _____ (Electronic Submission)	Date <u>05/06/2020</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.