

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 OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-025-46070	⁵ Pool Name WC-025 G-09 S253402N; WOLFCAMP	⁶ Pool Code 98116
⁷ Property Code 325724	⁸ Property Name Brot Helm Federal Com	⁹ Well Number 703H

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
B	35	24S	34E		250	North	1255	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
O	2	25S	34E		50	South	1428	East	Lea

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/17/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	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 7/22/19	²² Ready Date 4/11/20	²³ TD 22,964'	²⁴ PBTD 22,882'	²⁵ Perforations 12,995-22,775'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1089'	950		
12 1/4"	9 5/8"	12,111'	2975		
8 1/2"	5 1/2"	23,952'	4100		

V. Well Test Data

³¹ Date New Oil 4/17/20	³² Gas Delivery Date 4/17/20	³³ Test Date 4/17/20	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 4200	³⁶ Csg. Pressure 1489
³⁷ Choke Size 14/64	³⁸ Oil 22	³⁹ Water 2580	⁴⁰ Gas 163	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> Printed name: Amanda Avery Title: Regulatory Analyst E-mail Address: Date: 5/14/2020	OIL CONSERVATION DIVISION	
	Approved by: Patricia Martinez	
	Title: LM II	
	Approval Date: 6/17/2020	
	Phone: 575-748-6962	

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM123535

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

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)*
At surface SESE Lot A 250FNL 1255FEL 32.180564 N Lat, 103.436297 W Lon
At top prod interval reported below SESE Lot A 250FNL 1255FEL 32.180564 N Lat, 103.436297 W Lon
At total depth SESE Lot O 50FSL 1428FEL 32.152378 N Lat, 103.436829 W Lon

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. BROT HELM FEDERAL COM 703H

9. API Well No. 30-025-46070

10. Field and Pool, or Exploratory WC-025 G-09 S253402N; WC

11. Sec., T., R., M., or Block and Survey or Area Sec 35 T24S R34E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded 07/22/2019 15. Date T.D. Reached 10/24/2019 16. Date Completed D & A Ready to Prod. 04/11/2020

17. Elevations (DF, KB, RT, GL)* 3416 GL

18. Total Depth: MD 22964 TVD 12917 19. Plug Back T.D.: MD 22882 TVD 12917 20. Depth Bridge Plug Set: MD 22882 TVD 12917

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

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	1089		950		0	
12.250	9.625 L80	47.0	0	12111	5450	2975		0	
8.500	5.500 P100	23.0	0	22952		4100		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	12002	11992						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12995	22775	12995 TO 22775			OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12995 TO 22775	42,335 GAL 7 1/2%, 19,553,760# SAND, 20,413,754 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
04/17/2020	04/17/2020	24	→	22.0	163.0	2580.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64	SI 4200	1489.0	→	22	163	2580		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #515706 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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RUSTLER	950			RUSTLER	950
TOP OF SALT	1467			TOP OF SALT	1467
BOTTOM OF SALT	5215			BOTTOM OF SALT	5215
LAMAR	5499			LAMAR	5499
BELL CANYON	5526			BELL CANYON	5526
CHERRY CANYON	6475			CHERRY CANYON	6475
BRUSHY CANYON	8086			BRUSHY CANYON	8086
BONE SPRING LIMESTONE	9264			BONESPRING LIMESTONE	9264

32. Additional remarks (include plugging procedure):

FIRST BONE SPRING 10552
 SECOND BONE SPRING 11110
 THIRD BONE SPRING 12161
 WOLFCAMP 12749

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 #515706 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Hobbs**

Name (please print) AMANDA AVERY Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/18/2020

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BROT HELM FEDERAL COM 703H
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-025-46070
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210		10. Field and Pool or Exploratory Area WC-025 G-09 S253402N; WC
3b. Phone No. (include area code) Ph: 575-748-6940		11. County or Parish, State LEA COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 35 T24S R34E Mer NMP NENE 250FNL 1255FEL		

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 Hydraulic Fracture
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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.

12/15/19 Test annulus to 1500# Set Composite Bridge plug @ 22,882' and test csg to 11,640#. Test Good.
3/11/20 to 3/26/20 Perf 12,995 -22,775 (1100). Acdz w/42,336 gal 7 1/2%; frac w/ 19,533,760# sand & 20,413,754 gal fluid.
4/2/20 to 4/3/20 Drilled out CFP's. Clean down to PBD @ 22,882'.

4/11/20 Set 2 7/8" 6.5# L-80 tbg @ 12,002' packer @ 11,992'.
4/17/20 Began flowing back & testing Date of first production

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

**Electronic Submission #515710 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs**

Name (Printed/Typed) AMANDA AVERY	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/18/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 _____

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)

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