

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NOV 28 2018

5. Lease Serial No.
NNNM119277

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or ~~CA Allottee~~ Name and No.

2. Name of Operator
COG OPERATING LLC
Contact: AMANDA AVERY
E-Mail: aavery@concho.com

8. Lease Name and Well No.
COLUMBUS FEDERAL COM 21H

3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287
3a. Phone No. (include area code)
Ph: 575-748-6940

9. API Well No.
30-025-43689-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 34 T25S R33E Mer NMP
At surface NENE 210FNL 330FEL 32.093685 N Lat, 103.552727 W Lon
Sec 34 T25S R33E Mer NMP
At top prod interval reported below NENE 210FNL 330FEL 32.093685 N Lat, 103.552727 W Lon
Sec 3 T26S R33E Mer NMP
At total depth SESE 200FSL 359FEL 32.065793 N Lat, 103.552812 W Lon

10. Field and Pool, or Exploratory
WILDCAT;WOLFCAMP

11. Sec., T., R., M., or Block and Survey
or Area Sec 34 T25S R33E Mer NMP

12. County or Parish
LEA
13. State
NM

14. Date Spudded
07/16/2017

15. Date T.D. Reached
09/15/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/07/2018

17. Elevations (DF, KB, RT, GL)*
3324 GL

18. Total Depth: MD 22321
TVD 12510
19. Plug Back T.D.: MD 22205
TVD 12510
20. Depth Bridge Plug Set: MD 22165
TVD 12510

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
3324 GL

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
13.500	10.750 L80	45.5	0	1086		600		0	
6.750	5.500 P110	23.0	0	11127				0	
9.875	7.625 P110	29.7	0	11675		2532		390	
6.750	5.500 P110	18.0	11127	22360		2150		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	11300	11293						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12650	22150	12650 TO 22150	0.000	2816	OPEN - WOLFCAMP
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
06/07/2018	06/08/2018	24	→	119.0	669.0	452.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	4200	2400.0	→	119	669	452		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	
			→						

ACCEPTED FOR RECORD
NOV 17 2018
Dinah Negrete
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #433839 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due: 12/7/2018

KV

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	1020	1020		BELL CANYON	
TOP OF SALT	1404	1404		RUSTLER	1020
BASE OF SALT	4732	4731		TOP OF SALT	1404
LAMAR LS	4996	4995		BASE OF SALT	4732
BELL CANYON	5020	5020		LAMAR LS	4996
CHERRY CANYON	6037	6037		CHERRY CANYON	6037
BRUSHY CANYON	7654	7653		BRUSHY CANYON	7654

32. Additional remarks (include plugging procedure):

BSGL 9134 9133
 FBSG 10097 10096
 SBSG 10708 10707
 TBSG 11767 11766
 WFMP 12311 12239

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 #433839 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/06/2018 (18DW0238SE)

Name (please print) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 09/05/2018

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 746-1259 Fax: (505) 746-9720

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-43689		Pool Code 98094	Pool Name Wildcat; Wolfcamp
Property Code 317530	Property Name COLUMBUS FEDERAL COM		Well Number 21H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3324'

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	34	25 S	33 E		210	NORTH	330	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	26 S	33 E		200	SOUTH	359	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

<p>N: 398871.9 E: 778107.8 (NAD-83)</p> <p>N: 398889.2 E: 780752.9 (NAD-83)</p> <p>N: 393597.5 E: 778157.3 (NAD-83)</p> <p>N: 393610.9 E: 780799.7 (NAD-83)</p> <p>N: 388317.9 E: 778194.7 (NAD-83)</p>	<p>SURFACE LOCATION Lat - N 32.093686° Long - W 103.552724° NMSPCE- N 398694.6 E 783074.0 (NAD-83)</p> <p>UPPER PERF. 704' FNL & 355' FEL Lat - N 32.092328° Long - W 103.552804° NMSPCE- N 398200.5 E 783052.8 (NAD-83)</p> <p>LOWER PERF. 371' FSL & 353' FEL Lat - N 32.066262° Long - W 103.552794° NMSPCE- N 388718.1 E 783124.4 (NAD-83)</p> <p>BOTTOM HOLE LOCATION Lat - N 32.065793° Long - W 103.552812° NMSPCE- N 388547.2 E 783120.0 (NAD-83)</p>		<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>9/1/18 Signature _____ Date Amanda Avery Printed Name aavery@concho.com Email Address</p>
	<p>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>ALBERT L. JONES Date Surveyed _____ Signature & Seal of Professional Surveyor 7977</p> <p>Certificate No. 7977 BASIN SURVEY</p>		
	<p>0' 500' 1000' 1500' 2000' N SCALE: 1" = 1000' WO Num.: 32538</p>		
	<p>U.P.O. L.P.I.</p>		