

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OGD
OCD Hobbs
JUN 10 2019

FORM 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. NMNM88163		
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 _____			If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			Contact: AMANDA AVERY E-Mail: aavery@concho.com		
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287			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 NENE 480FNL 330FEL 32.296092 N Lat, 103.655031 W Lon Sec 22 T23S R32E Mer NMP At top prod interval reported below NENE 480FNL 330FEL 32.296092 N Lat, 103.655031 W Lon Sec 27 T23S R32E Mer NMP At total depth SESE 207FSL 327FEL 32.268944 N Lat, 103.655012 W Lon			7. Unit or CA Agreement Name and No. NMNM139003		
			8. Lease Name and Well No. AVION FEDERAL COM 301H		
14. Date Spudded 09/10/2018			15. Date T.D. Reached 10/12/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/01/2018			9. API Well No. 30-025-44736-00-S1		
18. Total Depth: MD 19671 TVD 9603			19. Plug Back T.D.: MD 19578 TVD 9603		
20. Depth Bridge Plug Set: MD 19578 TVD 9603			10. Field and Pool, or Exploratory WC025G06S223421L-BONE SPRING		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 3699 GL			11. Sec., T., R., M., or Block and Survey or Area Sec 22 T23S R32E Mer NMP		
			12. County or Parish LEA		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3699 GL		
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)					

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	1305		1000		0	
12.250	9.625 L80	40.0	0	4853		1500		0	
8.750	5.500 P110	17.0	0	19647		3400		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	9091	9073						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9784	19553	9784 TO 19553		1650	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9784 TO 19553	SEE ATTACHED

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
12/12/2018	12/18/2018	24	→	37.0	192.0	3078.0			Gas Lift
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
31/64	SI 800	750.0	→	37	192	3078		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			→						

ACCEPTED FOR RECORD
 JUN - 1 2019
Wendy McGuire
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #454653 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due: 6/1/2019

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	1189			RUSTLER	1189
TOP OF SALT	1651			TOP OF SALT	1651
BASE OF SALT	4665			BASE OF SALT	4665
LAMAR	4920			LAMAR	4920
BELL CANYON	4966			BELL CANYON	4966
CHERRY CANYON	5823			CHERRY CANYON	5823
BRUSHY CANYON	7518			BRUSHY CANYON	7518
BONE SPRING 2ND	8779			BONE SPRING 2ND	8779

32. Additional remarks (include plugging procedure):

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 #454653 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH HAM on 05/15/2019 (19DMH0084SE)

Name (please print) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 02/14/2019

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: (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 Road, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44736	² Pool Code 17664	³ Pool Name WC025G06S223421L - Bone Spring
⁴ Property Code 312816	⁵ Property Name AVION FEDERAL COM	
⁷ OGRID No. 229137	⁶ Well Number 301H	
	⁸ Operator Name COG OPERATING, LLC.	⁹ Elevation 3698.7

¹⁰ Surface Location

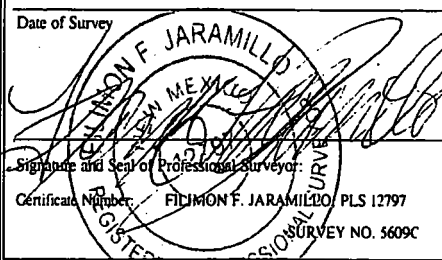
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	23 S	32 E		480	NORTH	330	EAST	LEA

¹¹ 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	27	23 S	32 E		207	SOUTH	327	EAST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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=472584.82 E=749932.57 KICK OFF POINT 122' FNL, 317' FEL LAT=32.2970755°N LONG=103.6549887°W FIRST TAKE POINT 338' FNL, 322' FEL LAT=32.2960852°N LONG=103.6550068°W SEC. 22 LATITUDE AND LONGITUDE VALUES ARE NAD 83 STATE PLANE VALUES ARE NMSP EAST NAD 83 GRID</p> <p>N=467302.84 E=749967.40 SEC. 27 LAST TAKE POINT 345' FNL, 327' FEL LAT=32.2693240°N LONG=103.6550163°W N=462021.50 E=750001.06 BHL</p>	<p>N=472596.69 E=751253.41 AVION FEDERAL COM 301H 480' FNL, 330' FEL ELEV. = 3698.7' LAT. = 32.2960922°N (NAD83) LONG. = 103.6550313°W NMSP EAST (FT) N = 472113.81 E = 750926.62</p> <p>N=467315.98 E=751288.86 BOTTOM OF HOLE 207' FSL, 326' FEL LAT. = 32.2689449°N LONG. = 103.6550123°W NMSP EAST (FT) N = 462237.78 E = 750994.94 N=462034.16 E=751322.29</p>	<p>¹⁷ 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 style="text-align: right;">2/14/19</p> <p>Signature _____ Date _____ Amanda Avery Printed Name aavery@concho.com160 E-mail Address</p> <p>¹⁸ 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>FEBRUARY 11, 2019 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:  Certificate Number: EDMON F. JARAMILLO PLS 12797 SURVEY NO. 5609C</p>
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