

Form 3160-4
(August 2007)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

5. Lease Serial No.
NNNM104667

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
COG OPERATING LLC

Contact: BRIAN MAIORINO

E-Mail: bmaiorino@concho.com

8. Lease Name and Well No.
TUNA 28 FEDERAL 13. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE
MIDLAND, TX 797013a. Phone No. (include area code)
Ph: 432-221-04679. API Well No.
30-015-37645-00-S2

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 28 T26S R25E Mer NMP
At surface NENE 1300FNL 660FEL10. Field and Pool, or Exploratory
WILDCAT11. Sec., T., R., M., or Block and Survey
or Area Sec 28 T26S R25E Mer NMP

At top prod interval reported below

12. County or Parish
EDDY13. State
NM

At total depth

14. Date Spudded
05/20/201015. Date T.D. Reached
06/06/201016. Date Completed
☐ D & A ☒ Ready to Prod.
10/01/201317. Elevations (DF, KB, RT, GL)*
3680 GL18. Total Depth: MD
TVD 1000019. Plug Back T.D.: MD
TVD20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
3680 GL22. 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 H-40	48.0	0	279		360		0	
12.250	9.625 J-55	36.0	0	1220		550		0	
8.750	7.000 P-110	23.0	0	9970	5600	1475		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)
2.375	5444							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	5449	7505	5449 TO 5614		50	OPEN
B)			6003 TO 6206		42	OPEN
C)			6664 TO 6865		42	OPEN
D)			7306 TO 7505		52	OPEN

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

Depth Interval	Amount and Type of Material
5449 TO 5614	FRAC W/2523 GAL 7.5%+64485 GAL GEL CARRYING 69118# 16/30
6003 TO 6206	FRAC W/4038 GAL 7.5%+63617 GAL GEL CARRYING 99264#16/30 WHITE+15234 GAL GEL CARRYING 23293#16/30 CRC
6664 TO 6865	1000 GAL 15%, 5075 7.5%+68602 GAL GEL CARRYING 51096#16/30 WHITE+9632 G. GEL CARRYING 26982#16/30 CRC
7306 TO 7505	3000 GAL 15%, 2016 7.5%+50298 GAL GEL CARRYING 50751#16/30 WHITE+18262 G. GEL CARRYING 20632#16/30 CRC

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
10/01/2013	10/04/2013	24	→	0.0	400.0	480.0		0.60	ELECTRIC PUMP SUBSURFACED
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	0	400	480		PGW	

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
			▶						NOV 17 2013
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 #222138 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
BELL CANYON	1276			BELL CANYON	1276
CHERRY CANYON	2173			CHERRY CANYON	2173
BRUSHY CANYON	3640			BRUSHY CANYON	3640
BONE SPRING	4699			BONE SPRING	4699
WOLFCAMP	7525			WOLFCAMP	7525
STRAWN	8403			STRAWN	8403
ATOKA	8607			ATOKA	8607
MORROW	9408			MORROW	9408

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 #222138 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 11/04/2013 (14KMS7491SE)

Name (please print) BRIAN MAIORINOTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 10/08/2013

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 ****