

FEB 04 2015

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM1149651a. 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 LLCContact: STORMI DAVIS
E-Mail: sdavis@concho.com8. Lease Name and Well No.
HORNED OWL FEDERAL 3H3. Address 2208 W MAIN ST
ARTESIA, NM 882103a. Phone No. (include area code)
Ph: 575-748-69469. API Well No.
30-015-42502

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

Sec 25 T26S R26E Mer NMP
At surface NWNE 190FNL 1810FEL

At top prod interval reported below

Sec 25 T26S R26E Mer NMP
At total depth SWSE 353FSL 1876FEL10. Field and Pool, or Exploratory
WILDCAT; BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 25 T26S R26E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
11/04/201415. Date T.D. Reached
11/29/201416. Date Completed
☐ D & A ☒ Ready to Prod.
12/21/201417. Elevations (DF, KB, RT, GL)*
3403 GL18. Total Depth: MD 11864
TVD 745019. Plug Back T.D.: MD 11810
TVD 745020. Depth Bridge Plug Set: MD 11810
TVD 745021. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL, SONIC, LATEROLOG22. 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	375		450		0	
12.250	9.625 J55	40.0	0	2043		800		0	
7.875	5.500 P110	17.0	0	11857		2250		2250	

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	6813							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7707	11770	7707 TO 11710	0.430	504	OPEN
B)			11760 TO 11770		60	OPEN
C)						
D)						

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


Depth Interval	Amount and Type of Material
7707 TO 11710	SEE IN REMARKS

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
12/26/2014	02/02/2015	24	→	442.0	500.0	1541.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	220	140.0	→	442	500	1541		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 Grav
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well :
			→					

Pending BLM approvals will
subsequently be reviewed
and scanned 

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

ELECTRONIC SUBMISSION #290325 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.)
FLARED

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
LAMAR	2007	5627		TOS	395
BONE SPRING LM	5628	6579		BOS	1870
1ST BONE SPRING	6580	7282		LAMAR	2007
2ND BONE SPRING	7283	8361		BONE SPRING LM	5628
3RD BONE SPRING	8362	8707		1ST BONE SPRING	6580
WOLFCAMP	8708	10200		2ND BONE SPRING	7283
				3RD BONE SPRING	8362
				WOLFCAMP	8708

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 11515-11710' 6990 412971 387468
 11222-11417' 5982 447710 373230
 10929-11124' 5999 447189 369677
 10638-10831' 5999 450671 369985
 10343-10538' 5999 452981 368627
 10055-10245' 5999 452923 369584
 9752-9953' 5999 449505 367241

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 #290325 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/03/2015

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.

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Additional data for transaction #290325 that would not fit on the form

32. Additional remarks, continued

9464-9660' 5999 450362 366149
9172-9367' 5982 451741 392476
8879-9074' 5999 455712 368436
8588-8781' 5999 460765 369761
8293-8488' 5982 461081 367854
8000-8195' 5982 461614 367014
7707-7902' 5982 421756 379698
Totals 84892 6276981 5217200

Surveys attached.