

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.
 NMNM114965

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: STORMI DAVIS
 E-Mail: sdavis@concho.com

8. Lease Name and Well No.
 HORNED OWL FEDERAL 4H

3. Address
 600 W ILLINOIS AVENUE
 MIDLAND, TX 79701

3a. Phone No. (include area code)
 Ph: 575-648-6946

9. API Well No.
 30-015-42486-00-S1

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

Sec 24 T26S R26E Mer NMP
 At surface SESE 390FSL 590FEL 32.021148 N Lat, 104.239123 W Lon
 Sec 24 T26S R26E Mer NMP
 At top prod interval reported below SESE
 Sec 25 T26S R26E Mer NMP
 At total depth SESE 330FSL 424FEL

10. Field and Pool, or Exploratory
 WC-015 G-04 S262625B

11. Sec., T., R., M., or Block and Survey
 or Area Sec 24 T26S R26E Mer NMP

12. County or Parish
 EDDY

13. State
 NM

14. Date Spudded
 07/29/2015

15. Date T.D. Reached
 08/11/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
 03/08/2016

17. Elevations (DF, KB, RT, GL)*
 3394 GL

18. Total Depth: MD
 TVD 12676
 7481

19. Plug Back T.D.: MD
 TVD 12620
 7481

20. Depth Bridge Plug Set: MD
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 NONE

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 J-55	54.5	0	353		400		0	
12.250	9.625 J-55	36.0	0	2040		750		0	
8.750	5.500 P-110	17.0	0	12670		2475		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	7732	6892						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7987	12580	7987 TO 12400	0.430	1008	OPEN
B)			12570 TO 12580		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7987 TO 12400	85680 Gal 7-1/2% Acid + 6287975 Lb Sand + 5537070 Gal Fluid

Accepted for record - NMOC

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
03/09/2016	03/15/2016	24	→	813.0	2332.0	2210.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 600 SI	Csg. Press.	24 Hr. Rate →	Oil BBL 813	Gas MCF 2332	Water BBL 2210	Gas:Oil Ratio	Well Status	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
/S/ DAVID R. GLASS

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

ELECTRONIC SUBMISSION #334156 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION DUE:
SEP 08 2016

DAVID R. GLASS
 PETROLEUM ENGINEER

105
 6/22/16

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. API	Gas Gravity	Production Method
Choke Size	Thg. Press. PSIG.	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 Cor. API	Gas Gravity	Production Method
Choke Size	Thg. Press. PSIG.	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	207	347		RUSTLER	207
LAMAR	2029	2079		TOP SALT	347
BELL CANYON	2080	2946		BASE OF SALT	1847
CHERRY CANYON	2947	4108		LAMAR	2029
BRUSHY CANYON	4109	5650		BELL CANYON	2080
BONE SPRING LIME	5651	6603		CHERRY CANYON	2947
BONE SPRING 1ST	6604	7239		BRUSHY CANYON	4109
BONE SPRING 2ND	7240	7481		BONE SPRING LIME	5651
BONE SPRING	7987	12580		BONE SPRING 1ST	6604
				BONE SPRING 2ND	7240

32. Additional remarks (include plugging procedure):
Surveys & perfs/stimulation are attached.

Additional Tops:
1st Bone Spring 6604'
2nd Bone Spring 7240'

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 #334156 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/20/2016 (16JAS1566SE)

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 03/18/2016

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 ****

HORNED OWL FEDERAL #4H

30-015-42486

Sec 24-T26S-R26E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
12299-12400	3570	225028	219786
12139-12247	3024	225589	206514
11979-12086	3024	227336	202524
11818-11926	3024	226368	202818
11660-11766	2982	225548	200088
11500-11605	3024	223869	198618
11340-11449	3024	225625	198324
11181-11287	3024	225324	197400
11025-11128	3024	224736	198198
10861-10968	3024	225454	197232
10702-10803	3024	225081	208446
10542-10648	3234	219840	197148
10386-10489	3024	224103	196644
10223-10329	3024	225967	196644
10063-10164	3024	224952	195132
9903-10010	3066	225272	197358
9744-9850	3108	224944	196308
9581-9690	3024	225314	194082
9424-9531	3024	224874	195972
9264-9367	3024	226767	193536
9105-9211	3024	225033	195300
8945-9052	3150	224015	193158
8768-8892	3024	221743	195048
8626-8732	3024	221259	193956
8466-8578	3024	223769	193200
8306-8413	3024	225822	192360
8153-8253	3024	226069	192486
7987-8093	3066	218274	188790
Totals	85680	6287975	5537070