

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 20 2016
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM114965	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: STORMI DAVIS E-Mail: sdavis@concho.com		8. Lease Name and Well No. HORNED OWL FEDERAL 2H	
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701		9. API Well No. 30-015-42485-00-S1	
3a. Phone No. (include area code) Ph: 575-748-6946		10. Field and Pool, or Exploratory WC-015 G-04 S262625B	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENW 190FNL 1870FWL 32.019871 N Lat, 104.248347 W Lon At top prod interval reported below NENW At total depth SESW 332FSL 1932FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 25 T26S R26E Mer NMP	
14. Date Spudded 06/24/2015		15. Date T.D. Reached 07/07/2015	
16. Date Completed ☐ D & A ☒ Ready to Prod. 02/20/2016		17. Elevations (DF, KB, RT, GL)* 3416 GL	
18. Total Depth: MD 11903 TVD 7399		19. Plug Back T.D.: MD 11875 TVD 7399	
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	329		400		0	
12.250	9.625 J-55	40.0	0	2045		750		0	
8.750	5.500 P-110	17.0	0	11903		2325		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	7520	4195						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7544	11850	7544 TO 11850	0.430	504	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
7544 TO 11850	21240 Gal 7-1/2% Acid + 3148147 Lb Sand + 2586474 Gal Fluid
	Accepted for record - NMOCD

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/15/2016	03/19/2016	24		797.0	1829.0	2351.0			Flows from Well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	775			797	1829	2351		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

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

ELECTRONIC SUBMISSION #335201 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION DUE:
AUG 20 2016

DAVID R. GLASS
PETROLEUM ENGINEER

ACCEPTED FOR RECORD
AS/ DAVID R. GLASS
MAY 31 2016

155
6/22/16

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
LAMAR	2001	2050		RUSTLER	199
BELL CANYON	2051	2908		TOP SALT	335
CHERRY CANYON	2909	4085		BASE OF SALT	1817
BRUSHY CANYON	4086	5610		LAMAR	2001
BONE SPRING LIME	5611	5772		BELL CANYON	2051
BONE SPRING 1ST	6561	7170		CHERRY CANYON	2909
BONE SPRING 2ND	7171	7403		BRUSHY CANYON	4086
				BONE SPRING LIME	5611
				BONE SPRING 1ST	6561
				BONE SPRING 2ND	7171

32. Additional remarks (include plugging procedure):

Perfs 7 1/2%(Gal) Sand(#) Fluid(Gal)
 11640-11850 1512 449364 355866
 11325-11504 4536 450326 389256
 11010-11220 2898 448987 366660
 10700-10905 3096 449077 370386
 10380-10590 3024 449517 368802
 10065-10275 3066 449618 368256
 9750-9957 3108 451258 367248

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 #335201 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 (16JAS1569SE)

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 03/31/2016

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 **

Additional data for transaction #335201 that would not fit on the form

32. Additional remarks, continued

9433-9644 3024 449243 365652
9119-9329 3024 450485 364980
8804-9014 3012 452693 362868
8489-8700 3024 450846 364224
8172-8384 3276 450042 363930
7859-8069 3066 449486 363132
7544-7757 3024 450340 360066
Totals 42690 6301282 5131326

Additional Tops:

Leonard 5773'

1st Bone Spring 6561'

2nd Bone Spring 7171'

Surveys are attached.