

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM107392

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

8. Lease Name and Well No.
NIGHTCAP 6 FEDERAL COM 3H

3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3a. Phone No. (include area code)
Ph: 575.748.6946

9. API Well No.
30-025-41589-00-S1

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

At surface Lot 3 330FNL 2020FWL

At top prod interval reported below
Sec 7 T20S R32E Mer NMP

At total depth SESW 340FSL 1994FWL

APR 15 2015

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10. Field and Pool, or Exploratory
LUSK

11. Sec., T., R., M., or Block and Survey
or Area Sec 6 T20S R32E Mer NMP

12. County or Parish
LEA

13. State
NM

14. Date Spudded
07/28/2014

15. Date T.D. Reached
12/06/2014

16. Date Completed
☐ D & A ☒ Ready to Prod.
03/04/2015

17. Elevations (DF, KB, RT, GL)*
3514 GL

18. Total Depth: MD 19065
TVD 9466

19. Plug Back T.D.: MD 18970
TVD 9460

20. Depth Bridge Plug Set: MD 18970
TVD 9460

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J55	65.0	0	935		900		0	
14.750	13.375 L80	68.0	0	2895		1100		0	
12.250	9.625 J55	36.0	0	4300	2960	1425		0	
8.750	5.500 P110	17.0	0	19060		3800		1430	

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	8854							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING SOUTH	9607	18930	9607 TO 18870	0.000	1116	OPEN (41460) BS, south
B)			18920 TO 18930		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9607 TO 18870	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
03/05/2015	03/22/2015	24	→	288.0	308.0	2361.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	330	80.0	→	288	308	2361		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			→						

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

ELECTRONIC SUBMISSION #297587 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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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
CAPITAN REEF	3067	4399		RUSTLER	842
BELL CANYON	4400	4481		TOP OF SALT	940
CHERRY CANYON	4482	5579		BASE OF SALT	2652
BRUSHY CANYON	5580	7339		YATES	2777
BONE SPRING LIME	7340	8418		SEVEN RIVERS	3037
BONE SPRING 1ST	8419	9289		CAPITAN REEF	3067
BONE SPRING 2ND	9290	9466		BELL CANYON	4400
				CHERRY CANYON	4482

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 18864-18870 7056 450130 414902
 18372-18568 6048 450159 391398
 18068-18266 5964 451847 390936
 17762-17964 6090 450939 387912
 17460-17662 6132 450064 386694
 17158-17360 6006 451483 447636
 16855-17058 6258 450115 383250

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 #297587 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 04/13/2015 (15LJ0936SE)

Name(please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/08/2015

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #297587 that would not fit on the form

32. Additional remarks, continued

16554-16756 6048 450195 384048
16252-16454 6048 450785 384510
15950-16152 6024 448759 382344
15648-15849 6090 447703 377966
15345-15547 6048 451369 378194
15044-15245 6174 446754 376236
14742-14948 6048 452433 379932
14439-14641 6024 450315 377604
14136-14339 6006 450210 382536
13836-14037 6006 451156 373464
13534-13735 5982 449376 379320
13232-13433 6048 448375 373404
12930-13132 6048 450716 375072
12628-12829 6006 448409 371070
12331-12527 6006 449638 370566
12023-12225 6048 450930 373506
11721-11923 6048 450463 371808
11419-11623 6048 441434 371514
11118-11327 6048 432533 365232
10815-11017 6048 448000 367836
10513-10715 6048 449891 369054
10211-10412 6342 451871 368424
9909-10110 5628 448905 366222
9607-9808 6048 457076 366558
Totals 188465 13,932.033 11,789,145

Additional Tops:

Brushy Canyon 5580
Bone Spring Lm 7340
1st Bone Spring 8419
2nd Bone Spring 9290

Surveys attached.