

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NMNM120910

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Workover  Deepen  Plug Back  Diff. Resrv.  
 Other \_\_\_\_\_

6. INDIAN ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT

2. Name of Operator  
COG Production LLC

8. FARM OR LEASE NAME  
Bufflehead 10 Federal #2H

3. Address  
2208 W. Main Street  
Artesia, NM 88210

3a. Phone No. (include area code)  
575-548-6940

9. API WELL NO.  
30-025-40594

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 330' FNL & 480' FEL, Unit A (NENE) Sec 10-T26S-R32E  
At top prod. Interval reported below  
At total depth

10. FIELD NAME  
11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA  
12. COUNTY OR PARISH  
13. STATE

14. Date Spudded 8/3/12  
15. Date T.D. Reached 8/22/12

16. Date Completed 11/11/12  
 D & A  Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)\*  
3243' GR 3263' KB

18. Total Depth: MD 13856' TVD 9529'  
19. Plug back T.D.: MD 13808' TVD 9520'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & other Logs Run (Submit a copy of each)  
None

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

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 Sks. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	982'		840 SX		0	None
12 1/4"	9 5/8" J55	36#&40#	0	4585'		1600 SX		0	None
7 7/8"	5 1/2" P110	17#	0	13856'	7532'	2365 SX		1070' (TS)	None

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 7/8"	9192'	9184'						

25. Producing Intervals

Formation	Top	Bottom
A) Bone Spring	9720'	13810'
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. of Holes	Perf. Status
9720-13810'	0.43	474	Open

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

Depth Interval	Amount and Type of Material
See Attached	See Attached

**RECLAMATION DUE 5-11-13**

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
11/16/12	11/28/12	24	→	878	1120	1897			Producing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
40/64"	SI	950#	→	878	1120	1897		Producing	

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
			→						Producing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	SI		→					Producing	

\* See instructions and spaces for additional data on page 2)

COMPLETED FLOWING RECORD  
COLLECTED FOR RECORD  
Producing  
DEC 22 2012  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

K-3

28b. Production- Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravitv	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 Gravitv	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
					Measured Depth
Delaware Bone Spring	4587'	8747'		Delaware Bone Spring	4587'
	8748'	13856'			8748'
					TD. 13856'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/ Mechanical Logs (1 full set required)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other: Deviation Report

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Stormi Davis Title Regulatory Analyst  
 Signature  Date 12/5/12

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.

# BUFFLEHEAD 10 FEDERAL #2H

30-025-40594

Sec 10-T26S-R32E

<u>Perforations</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13800-13810'	2775	402049	349625
13010-13321'	2915	399412	344682
12599-12909'	2989	398075	300321
12188-12498'	3037	400283	313896
11776-12087'	2430	402822	296836
11365-11676'	2444	396216	295854
10954-11264'	2823	403889	297986
10543-10853'	2771	402663	294956
10131-10442'	2647	408258	281868
9720-10030'	<u>3441</u>	<u>385551</u>	<u>281434</u>
<b>Totals</b>	<b>28272</b>	<b>3999218</b>	<b>3057458</b>