

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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						6 INDIAN ALLOTTEE OR TRIBE NAME			
b Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff Resvr						7 UNIT AGREEMENT			
2 Name of Operator COG Production LLC						8 FARM OR LEASE NAME Bufflehead 10 Federal #1H			
3 Address 2208 W. Main Street Artesia, NM 88210				3a Phone No (include area code) 575-748-6940		9 API WELL NO 30-025-40423			
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 330' FNL & 1650' FEL, Unit B (NWNE) Sec 10-T26S-R32E At top prod Interval reported below At total depth 340' FSL & 1687' FEL, Unit O (SWSE) Sec 10-T26S-R32E						10 FIELD NAME Wildcat; Bone Spring			
						11 SEC T. R. M. OR BLOCK AND SURVEY OR AREA 10 T 26S R 32E			
						12 COUNTY OR PARISH Lea		13 STATE NM	
14 Date Spudded 2/4/12		15 Date T D Reached 2/26/12		16 Date Completed 5/5/12 ☐ D & A ☒ Ready to Prod		17 ELEVATIONS (DF, RKB, RT, GR, etc)* 3258' GR 3276' KB			
18 Total Depth MD 13930' TVD 9518'		19 Plug back T D MD 13885' TVD 9519'		20. Depth Bridge Plug Set MD TVD					
21 Type Electric & other Logs Run (Submit a copy of each) DLL, DSN						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 Cement Depth	No of Sks & Type of Cement	Slurry Vol (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	964'		800 SX		0	None
12 1/4"	9 5/8" J55	36#&40#	0	4445'		1450 SX		0	None
7 7/8"	5 1/2" P110	17#	0	13930'	7528'	2400 SX		6055' (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"	9311'	9304'							
25 Producing Intervals									
Formation		Top	Bottom	Perforated Interval		Size	No of Holes	Perf Status	
A) Bone Spring		10065'	13853'	10065-13853'		0.42	460	Open	
B)									
C)									
D)									
27 Acid, Fracture Treatment, Cement Squeeze, Etc									
Depth Interval		Amount and Type of Material							
See Attached		See Attached							
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
5/11/12	5/18/12	24	→	1088	2165	1883			Flowing
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
37/64"	650#		→	1088	2165	1883		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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
			→						

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

RECLAMATION
DUE 11-5-12ACCEPTED FOR RECORD
ProducingBUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

JUN 07 2012

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
					Measured Depth
Delaware Bone Spring	4551'	8709'		Top of Salt	1240'
	8710'	13930'		Bottom of Salt	4334'
				Delaware	4551'
				Bone Spring	8710'
					TD 13930'

32 Additional remarks (include plugging procedure)

RECEIVED
 7/21/12 PM 3:00
 BUREAU OF LAND MGMT
 CARLSBAD FIELD OFFICE

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

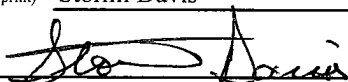
- ☒ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other Deviation Report

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 5/21/12

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 #1H**30-025-40423****Sec 10-T26S-R32E**

<u>Perforations</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13557-13853'	5033	399734	326011
13171-13462'	3018	399636	301074
12782-13075'	2920	399807	298860
12394-12686'	2977	400641	300306
12006-12299'	3012	409429	299867
11618-11911'	3094	402652	325567
11230-11523'	3095	402223	297439
10842-11135'	2970	399969	295365
10453-10747'	3000	396026	302996
10065-10358'	<u>3007</u>	<u>354623</u>	<u>244041</u>
Totals	32126	3964740	2991526