

AUG 29 2011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 LEASE DESIGNATION AND SERIAL NO

NMNM118720

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resvr  
Other

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

2 Name of Operator  
COG Operating LLC

8. FARM OR LEASE NAME

Patterson B-52 Federal #4H

3 Address  
2208 W. Main Street  
Artesia, NM 88210

3a Phone No (include area code)  
575-748-6940

9. API WELL NO

30-025-39289

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

At surface 2310' FSL &amp; 660' FWL, Unit L (NWSE)

At top prod interval reported below

At total depth 335' FSL &amp; 670' FWL, Unit M (SWSW)

10. FIELD NAME

Lusk; Bone Spring, North

11 SEC T. R. M. OR BLOCK AND SURVEY  
OR AREA 5 T 19S R 32E

12 COUNTY OR PARISH 13 STATE

Lea

NM

14 Date Spudded 1/25/11  
15 Date T D Reached 2/16/11  
16 Date Completed 8/4/11  
☐ D & A ☒ Ready to Prod

17 ELEVATIONS (DF, RKB, RT, GR, etc)\*  
3654' GR 3672' KB

18 Total Depth MD 11091'  
TVD 9313'  
19 Plug back T D MD 11050'  
TVD 9313'

20 Depth Bridge Plug Set MD  
TVD

21. Type Electric &amp; 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 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	1146'		1000 sx		0	None
12 1/4"	9 5/8" J55	36#	0	3285'		1050 sx		0	None
7 7/8"	5 1/2" P110	17#	0	11091'	8672'	1130 sx		2466'	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"	8903'							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No of Holes	Perf Status
A) Bone Spring	9500'	11030'	9500-11030'	0.42	160	Open
B)						
C)						
D)						

26 Perforation Record

27. Acid, Fracture Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
9500-11030'	Acidz w/9006 gal 7 1/2%; Frac w/1297767# sand & 1011918 gal fluid

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
8/10/11	8/14/11	24	→	115	60	271			BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
	300#	35#	→	115	60	271		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	
			→						

RECLAMATION  
DUE 2-4-12

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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
					Measured Depth
Delaware Bone Spring	4814'	6946'		Rustler	1062'
	6947'	11091'		Top of Salt	1190'
				Bottom of Salt	2680'
				Yates	2887'
				Seven Rivers	3224'
				Queen	3708'
				Delaware Bone Spring	4814' 6947'
					TD 11091'

32 Additional remarks (include plugging procedure)

**Bureau of Land Management  
RECEIVED**

AUG 23 2011

**Carlsbad Field Office  
Carlsbad, NM**

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 8/18/11

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