

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

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 Resv

2 Name of Operator  
COG Operating LLC

3 Address  
2208 W. Main Street  
Artesia, NM 88210

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

6 INDIAN ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT

8. FARM OR LEASE NAME  
Patterson B-52 Federal #5H

9 API WELL NO  
30-025-38970

4 Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 2310' FSL & 660' FEL, Unit I (NESE) of Sec 5-T19S-R32E  
At top prod Interval reported below  
At total depth 367' FSL & 732' FEL, Unit P (SESE) of Sec 5-T19S-R32E

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  
Lea

13 STATE  
NM

14 Date Spudded  
7/27/11

15 Date T D Reached  
8/12/11

16 Date Completed  
8/29/11  
☐ D & A ☒ Ready to Prod

17 ELEVATIONS (DF, RKB, RT, GR, etc)\*  
3659' GR 3677' KB

18 Total Depth MD 11130'  
TVD 9376'

19 Plug back T D MD 11093'  
TVD 9375'

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	1155'		850 SX		0	None
12 1/4"	9 5/8" J55	36#	0	3290'		950 SX		0	None
7 7/8"	5 1/2" P110	17#	0	11130'		1750 SX		0	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)

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No of Holes	Perf Status
Bone Spring	9525'	11063'	9525-11063'	0.42"	184	Open
B)						
C)						
D)						

26 Perforation Record

27 Acid, Fracture Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
9525-11063'	Acidz w/8820 gal 7 1/2% acid; Frac w/1151732# sand & 1046745 gal fluid

RECLAMATION DUE 2-28-12

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
8/31/11	9/6/11	24	→	389	375	129			Producing
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
42/64"		95#	→	389	375	129			

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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	
			→						

## 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	4860' 7100'	7099' 11130'		Top of Salt Bottom of Salt Delaware Bone Spring	1270' 2760' 4860' 7100'
					TD 11130'

32 Additional remarks (include plugging procedure)

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 2010 SEP 19 PM 2:34  
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## 33 Indicate which items have been attached by placing a check in the appropriate boxes

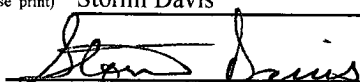
- ☐ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other Deviation Report

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 9/15/11

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