

FEB 05 2013

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.
NMNM0319697

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

2. Name of Operator
COG Operating LLC

7. UNIT AGREEMENT

8. FARM OR LEASE NAME
Patterson B-52 Federal Com #2H

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

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

9. API WELL NO.
30-025-40773

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **330' FNL & 330' FEL, Unit A (NENE) Sec 5-T19S-R32E**
 At top prod. Interval reported below
 At total depth **410' FNL & 336' FEL, Unit D (NWNW) 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 **10/9/12** 15. Date T.D. Reached **10/26/12** 16. Date Completed **12/22/12**
 D & A Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)*
3674' GR **3692'** KB

18. Total Depth: MD **13776'** 19. Plug back T.D.: MD **13710'**
 TVD **9303'** TVD **9303'**

20. Depth Bridge Plug Set: MD **13710'**
 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	1235'		950 sx		0	None
12 1/4"	9 5/8" J55	36#	0	3115'		900 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13776'		3050 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)
2 7/8"	8907'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9634'	13680'	9634-13524'	0.43	368	Open
B)			13670-13680'	0.43	60	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
See Attached	See Attached

**RECLAMATION
DUE 6-22-13**

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
12/23/12	1/2/13	24	→	567		859			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
24/64"	340#	130#	→	567		859			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	
			→						

ACCEPTED FOR RECORD

Producing

FEB 2 2013

[Signature]

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**

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

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.)

Flaring

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:

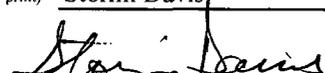
Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Bone Spring	7096'	13776'		Rustler	1163'
				Top of Salt	1242'
				Base of Salt	2686'
				Bone Spring Lime	7096'
				First Bone Spring	8457'
				Second Bone Spring	9243'
					TD. 13776'

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 1/23/13

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.

PATTERSON B-52 FEDERAL COM #2H

30-025-40773

Sec 5-T19S-R32E

HOBBS OCD

FEB 05 2013

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13216-13524'	2991	288708	347182
12704-13012'	2897	375866	327000
12192-12603'	3044	370040	329083
11681-12091'	2996	376783	324477
11169-11579'	2973	378230	323557
10760-11658'	3008	374055	319671
10146-10556'	2807	380355	285228
9634-10044'	3288	302914	232693
Totals	24004	2846951	2488891

RECEIVED