

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.

NMNM01088

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

Other

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

NMNM70982X

8. FARM OR LEASE NAME

Lusk Deep Unit A #22H

9. API WELL NO.

30-025-40705

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

At surface 330' FNL & 1770' FWL; Unit C (NENW) of Sec 17-T19S-R32E

At top prod. Interval reported below

At total depth 344' FNL & 2037' FWL, Unit N (SESW) of Sec 17-T19S-R32E

10. FIELD NAME

Lusk; Bone Spring

11. SEC. T. R. M., OR BLOCK AND SURVEY  
OR AREA 17 T 19S R 32E

12. COUNTY OR PARISH 13. STATE

Lea

NM

14. Date Spudded

9/18/12

15. Date T.D. Reached

10/4/12

16. Date Completed

12/12/12

☐ D & A

☒ Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)\*

3610'

GR

3627'

KB

18. Total Depth:

MD

13670'

TVD

9267'

19. Plug back T.D.:

MD

13663'

TVD

9267'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & other Logs Run (Submit a copy of each)

CNL

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	945'		800 sx		0	None
12 1/4"	9 5/8" J55	36# & 40#	0	4543'	2829'	1575 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13666'	None	2125 sx		2810' (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"	8774'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9360'	13614'	9360-13614'	0.43"	344	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9360-13614'	Acidz w/24509 gal 7 1/2% acid; Frac w/2988677# sand & 2185457 gal fluid

RECLAMATION  
DUE 6-12-13

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
12/15/12	12/18/12	24	→	695	404	1885			Pumping
Choke Size	Tbg. Press Flwg.	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
24/64"	500#	150#	→	695	404	1885		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	
			→						

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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
Bone Spring	7056'			Rustler Top of Salt Bottom of Salt Bone Spring Lime First Bone Spring Second Bone Spring	867' 952' 2405' 7056' 8365' 9191'
					TD. 13670'

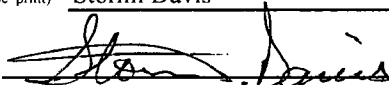
32. Additional remarks (include plugging procedure):

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

<input checked="" type="checkbox"/> Electrical/ Mechanical Logs (1' full set required)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input checked="" type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input checked="" type="checkbox"/> 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 1/7/13

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.

# LUSK DEEP UNIT A #22H

30-025-40705

Sec 17-T19S-R32E

<u>Perforations</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13177-13614'	3109	376327	311528
12632-13069'	2999	374362	308801
12086-12523'	3000	372691	279443
11541-11978'	3021	373701	278916
10996-11433'	3003	375789	257325
10451-10888'	3007	376932	237389
9905-10342'	3010	374277	256269
9360-9797'	<u>3360</u>	<u>364598</u>	<u>255786</u>
<b>Totals</b>	<b>24509</b>	<b>2988677</b>	<b>2185457</b>