

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NMNM016497

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. INDIAN ALLOTTEE OR TRIBE NAME	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resv.		7. UNIT AGREEMENT NMNM70982X	
2. Name of Operator COG Operating LLC		8. FARM OR LEASE NAME Lusk Deep Unit A #24H	
3. Address 2208 W. Main Street Artesia, NM 88210		9. API WELL NO. 30-025-40863	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 330' FNL & 660' FWL, Lot 1 (NWNW) of Sec 19-T19S-R32E At top prod. Interval reported below At total depth 4928' N 4702' W 349' FNL & 703' FWL, Lot 4 (SWSW) of Sec 19-T19S-R32E		10. FIELD NAME Lusk, Bone Spring	
14. Date Spudded 12/19/12		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA 19 T 19S R 32E	
15. Date T.D. Reached 1/5/13		12. COUNTY OR PARISH Lea	
16. Date Completed 2/28/13		13. STATE NM	
17. ELEVATIONS (DF, RKB, RT, GR, etc.)* 3569' GR 3587' KB			
18. Total Depth: MD 13660' TVD 9276'		20. Depth Bridge Plug Set: MD 13600' TVD 9274'	
19. Plug back T.D.: MD 13600' TVD 9274'			

21. Type Electric & other Logs Run (Submit a copy of each) None	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)
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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 Sk. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	770'	None	675 sx		0	None
12 1/4"	9 5/8" J55	36#	0	4455'	2696'	1575 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13660'	None	1875 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"	8553'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status	
A) Bone Spring	9400'	13570'	See Attached	0.43	460	Open	
B)			13560-13570'		60	Open	
C)							
D)							

27. Acid, Fracture Treatment, Cement Squeeze, Etc.		Amount and Type of Material
Depth Interval		
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
3/4/13	4/1/13	24	→	570	235	1242			Pumping
Choke Size	Tbg. Press Flwg.	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	520#	280#	→	570	235	1242		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
			→						2013
Choke Size	Tbg. Press Flwg.	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	SI		→						

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

RECLAMATION  
DUE 8-28-13

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

APR 30 2013

## 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:

recoveries					
Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Bone Spring	7008'	13660'		Rustler	665'
				Top of Salt	755'
				Bottom of Salt	2296'
				Bone Spring Lime	7008'
				First Bone Spring	8283'
				Second Bone Spring	9047'
					TD. 13660'

## 32. Additional remarks (include plugging procedure):

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

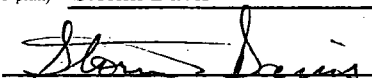
- ☐ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

## 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 4/3/13

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 #24H****30-025-40863****Sec 19-T19S-R32E**

<u>Perforations</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13175-13492'	3024	303460	283742
12756-13073'	3023	299491	260150
12336-12653'	3019	303007	259213
11917-12234'	3024	299711	238733
11497-11814'	2997	300393	226948
11078-11395'	3000	297919	224297
10658-10975'	3086	300602	223943
10239-10556'	3011	300554	226139
9820-10136'	3012	303538	225433
9400-9717'	<u>2965</u>	<u>283052</u>	<u>217806</u>
<b>Totals</b>	<b>30161</b>	<b>2991727</b>	<b>2386404</b>