

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.

NMNM77053

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Workover  Deepen  Plug Back  Diff. Resvr.  
 Other **HOBBS OCD**

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

2. Name of Operator  
COG Operating LLC **JUL 07 2014**

8. FARM OR LEASE NAME  
Crazy Horse Federal #1H

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

**RECEIVED**

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

9. API WELL NO.  
30-025-41389

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 330' FNL & 190' FWL, Lot 1 (NWNW) of Sec 18-T19S-R32E

10. FIELD NAME  
Lusk; Bone Spring

At top prod. Interval reported below

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA 18 T 19S R 32E

At total depth 493' FNL & 335' FEL, Unit A (NENE) of Sec 18-T19S-R32E

12. COUNTY OR PARISH Lea 13. STATE NM

14. Date Spudded 11/13/13 15. Date T.D. Reached 11/30/13 16. Date Completed 2/10/14  
 D & A  Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)\*  
3604' GR 3622' KB

18. Total Depth: MD 13695' TVD 9220' 19. Plug back T.D.: MD 13647' TVD 9219'

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	885'		675 sx		0	None
12 1/4"	9 5/8" J55	36# & 40#	0	4720'	2763'	1975 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13695'	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"	8711'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9409'	13630'	9409-13520'	0.43"	504	Open
B)			13620-13630'		60	
C)						
D)						

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

Depth Interval	Amount and Type of Material
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
2/12/14	2/22/14	24	→	855	661	1338			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	345#	130#	→	855	661	1338		Producing	

**ACCEPTED FOR RECORD**

JUN 28 2014

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	
			→						

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CARLSBAD FIELD OFFICE

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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 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.)

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	4900'	6909'		Rustler	765'
	6910'	9220'		Top of Salt	890'
				Bottom of Salt	2355'
				Delaware	4900'
				Bone Spring Lm	6910'
				1st Bone Spring	8270'
		2nd Bone Spring	9155'		
				TVD.	9220'

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 3/21/14

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.

**CRAZY HORSE FEDERAL #1H**

**30-025-41389**

**Sec 18-T19S-R32E**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13319-13520'	3318	450930	373674
13019-13219'	6762	450550	370566
12718-12918'	6024	452019	375816
12417-12618'	6342	447494	365442
12116-12317'	6024	442519	361956
11820-12016'	6006	449029	338856
11515-11715'	6132	453243	336756
11214-11414'	6090	448823	344694
10913-11114'	6048	448846	335622
10612-10820'	6006	452263	348012
10311-10520'	5982	542515	486234
10011-10215'	6024	451266	340452
9710-9916'	6024	452702	341964
9409-9600'	6678	428535	336294
<b>Totals</b>	<b>83460</b>	<b>6370734</b>	<b>5056338</b>