

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NMNM114969

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 380' FSL & 1890' FWL, Unit N (SESW) Sec 18-T26S-R27E

At top prod. Interval reported below

At total depth 332' FNL & 1807' FWL, Unit C (NENW) Sec 18-T26S-R27E

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

8. FARM OR LEASE NAME

Barn Owl Federal #3H

9. API WELL NO.

30-015-41283

10. FIELD NAME

Welch; Bone Spring

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA 18 T 26S R 27E

12. COUNTY OR PARISH 13. STATE  
Eddy NM

14. Date Spudded  
5/11/13

15. Date T.D. Reached  
6/13/13

16. Date Completed 7/7/13  
☐ D & A ☒ Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)\*  
3328' GR, 3345' KB

18. Total Depth: MD 11904'  
TVD 7519'

19. Plug back T.D.: MD 11857'  
TVD 7518'

20. Depth Bridge Plug Set: MD  
TVD

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

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 Sk. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H40	48#	0	350'		375 sx		0	None
12 1/4"	9 5/8" J55	36#	0	1990'		650 sx		0	None
7 7/8"	5 1/2" P110	17#	0	11904'	2089'	2000 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
A) Bone Spring	7706'	11850'	7706-11799'	0.43	460	Open
B)			11840-11850'		60	Open
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
7/11/13	7/17/13	24	→	558	1042	2552			Flowing
Choke Size	Tbg. Press Flwg. SI	Csg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
1"		380#	→	558	1042	2552		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	
			→						

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

ACCEPTED FOR RECORD

Accepted for record  
NMOC

8/2/13

AUG 3 2013

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE  
Flowing

RECLAMATION  
DUE 1-2-14

gpc

## 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
Lamar Bone Spring	2008'	5606'		Top of Salt	350'
	5607'	11904'		Base of Salt	1824'
				Lamar	2008'
				Bone Spring Lime	5607'
				1st Bone Spring	6544'
				2nd Bone Spring	6809'
				3rd Bone Spring	7573'
					TD. 11904'

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

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

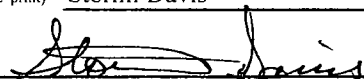
- ☒ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

## 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 7/23/13

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.

**BARN OWL FEDERAL #3H****30-015-41283****Sec 18-T26S-R27E**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
11481-11799'	3104	300916	263718
11062-11380'	3024	303181	259014
10642-10960'	3040	303540	235116
10223-10540'	3041	297653	233184
9803-10120'	3040	298514	231000
9384-9751'	3008	301405	233226
8964-9281'	3025	297834	230832
8545-8862'	3025	298922	221424
8125-8442'	3066	303958	221928
7706-8023'	3024	339876	229194
<b>Totals</b>	<b>30397</b>	<b>3045799</b>	<b>2358636</b>