

NM OIL CONSERVATION

ARTESIA DISTRICT

000-ARTESIA

FORM 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

OMB NO. 1004-0137

Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NMNM100858

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

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

8. FARM OR LEASE NAME

Blue Thunder 5 Federal Com #6H

9. API WELL NO.

30-015-41614

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

At surface 1740' FNL & 125' FEL, Unit H (SENE) Sec 5-T19S-R31E

At top prod. Interval reported below

At total depth 2021' FNL & 345' FWL, Unit E (SWNW) Sec 5-T19S-R31E

10. FIELD NAME

Hackberry; Bone Spring, North

11. SEC. T. R. M. OR BLOCK AND SURVEY
OR AREA 5 T 19S R 31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. Date Spudded

3/17/14

15. Date T.D. Reached

4/2/14

16. Date Completed

5/25/14

☐ D & A

☒ Ready to Prod.

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

3586'

GR

3604'

KB

18. Total Depth:

MD

13375'

TVD

8815'

19. Plug back T.D.:

MD

13375'

TVD

8815'

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 Center Depth	No. of Sks. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	745'	None	650 sx		0	None
12 1/4"	9 5/8" J55	36#	0	2705'	None	875 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13370'	None	2850 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"	8233'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9032'	13244'	9032-13244'	0.43	504	Open
B)						
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
6/6/14	6/14/14	24	→	583	549	1093			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	260#	110#	→	583	549	1093		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. SI	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)

ACCEPTED FOR RECORD

JUL 6 2014

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

Pumping

Producing

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 14 2014

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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 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.

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Delaware Bone Spring	4341'	6476'		Rustler	679'
	6477'	8815'		Top of Salt	757'
				Tansill	2225'
				Yates	2420'
				Seven Rivers	2684'
				Grayburg	3816'
				Cherry Canyon	4341'
				Brushy Canyon	4843'
				Bone Spring Lm	6477'
				1st Bone Spring	7819'
				2nd Bone Spring	8636'
					TVD 8815'

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 6/30/14

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.