

NM OIL CONSERVATION
ARTESIA DISTRICT

OOCD-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. Resrv.
 Other _____

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

2. Name of Operator
COG Operating LLC

8. FARM OR LEASE NAME

Blue Thunder 5 Federal Com #6H

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

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

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

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 13. STATE
Eddy NM

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

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 Dept	No. of Sk. & 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	Perforation Record	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

ACCEPTED FOR RECORD

JUL 6 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.	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.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
			→						

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

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.

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Delaware	4341'	6476'		Rustler	679'
	Bone Spring	6477'		8815'	Top of Salt
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'

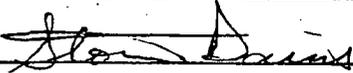
32. Additional remarks (include plugging procedure):

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.