

JUL 14 2014

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

JUL 14 2014

OCD-ARTESIA
RECEIVED

FORM APPROVED

OMB NO. 1004-0137

Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NMNM105217

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

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

8. FARM OR LEASE NAME

Blue Thunder 5 Federal Com #5H

3. Address

2208 W. Main Street
Artesia, NM 88210

3a. Phone No. (include area code)

575-748-6940

9. API WELL NO.

30-015-42016

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

At surface 1630' FSL & 255' FWL, Unit L (NWSW) Sec 4-T19S-R31E

At top prod. Interval reported below

At total depth 1885' FSL & 350' FWL, Unit L (NWSW) Sec 5-T19S-R31E

10. FIELD NAME

Hackberry; Bone Spring, North

11. SEC. T. R. M. OR BLOCK AND SURVEY
OR AREA 4 T 19S R 31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. Date Spudded

2/25/14

15. Date T.D. Reached

3/13/14

16. Date Completed

5/15/14

☐ D & A☒ Ready to Prod.

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

3565'

GR

3583'

KB

18. Total Depth:

MD

13705'

TVD

8887'

19. Plug back T.D.:

MD

13627'

TVD

8887'

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 Sk. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	709'	None	625 sx		0	None
12 1/4"	9 5/8" J55	36#	0	2800'	None	900 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13631'	None	2525 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"	8243'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9102'	13540'	9102-13490'	0.43	504	Open
B)			13530-13540'		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
5/18/14	6/17/14	24	→	731	550	716			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	340#	100#	→	731	550	716		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)

Submit Completion Sundry Notice

ACCEPTED FOR RECORD

JUL 16 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
PumpingRECLAMATION
DUE 11-15-14

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,

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents. Etc.	Name	Top
					Measured Depth
Delaware Bone Spring	4409'	6449'		Rustler	601'
	6450'	8887'		Top of Salt	670'
				Tansill	2177'
				Yates	2362'
				Seven Rivers	2692'
				Grayburg	3802'
				Cherry Canyon	4409'
				Brushy Canyon	4844'
				Bone Spring Lm	6450'
				1st Bone Spring	7829'
				2nd Bone Spring	8610'
					TVD 8887'

32. Additional remarks (include plugging procedure):

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

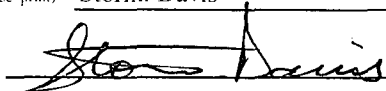
- ☐ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

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.

BLUE THUNDER 5 FEDERAL COM #5H

30-015-42016

Sec 4-T19S-R31E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13272-13490'	7024	690399	696696
12955-13169'	5982	447027	332682
12634-12848'	6066	451530	386232
12313-12527'	6048	449846	320208
11992-12206'	6048	450230	308364
11674-11885'	6048	447729	313194
11350-11564'	6006	456560	312018
11029-11243'	6426	454367	310170
10707-10922'	5670	453077	311724
10386-10596'	6066	453076	308868
10065-10279'	6216	452088	308574
9744-9958'	6048	449890	313068
9423-9635'	6048	448524	315840
9102-9316'	6024	452894	307314
Totals	85720	6557237	4844952