

UNITED STATES **OCD-ARTESIA**
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

5 LEASE DESIGNATION AND SERIAL NO
SHL: NMNM100858, BHL: NMLC69033

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff Resvr
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 #4H

3 Address
2208 W. Main Street
Artesia, NM 88210

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

9 API WELL NO
30-015-38477

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 480' FSL & 500' FEL, Unit P (SESE) of Sec 5-T19S-R31E

10 FIELD NAME
HACKBERRY Bone Spring **197050 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 top prod Interval reported below

At total depth 477' FSL & 330' FWL, Unit M (SWSW) of Sec 5-T19S-R31E

14 Date Spudded 2/19/11 15 Date T D Reached 3/12/11 16 Date Completed 7/11/11
☐ D & A ☒ Ready to Prod

17 ELEVATIONS (DF, RKB, RT, GR, etc)*
3557' GR 3575' KB

18 Total Depth MD 12955' TVD 8815' 19 Plug back T D MD 12914' TVD 8816'

20 Depth Bridge Plug Set MD TVD

21 Type Electric & other Logs Run (Submit a copy of each)
DLL, 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 Sks & Type of Cement	Slurry Vol (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	710'		650 sx		0	None
12 1/4"	9 5/8" J55	36#	0	3175'		1100 sx		0	None
7 7/8"	5 1/2" P110	17#	0	12955'	8250'	1350 sx		1987'	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"	8357'							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No of Holes	Perf Status
A) Bone Spring	8975'	12894'	8975-12894'	0.42	273	Open
B)						
C)						
D)						

27 Acid, Fracture Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
8975-12894'	Acidz w/23856 gal 15% acid; Frac w/3013605# sand & 2373771 gal fluid

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
7/14/11	7/15/11	24	→	421	500	2245			Pumping
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
24/64"	340#	90#	→	421	500	2245			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)

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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 Flwz 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 Flwz 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	4802'	6483'		Rustler	616'	
Bone Spring	6484'	12955'		Top of Salt	706'	
				Bottom of Salt	2186'	
				Yates	2380'	
				Seven Rivers	2663'	
				Delaware	4802'	
				Bone Spring	6484'	
					TD 12955'	

32 Additional remarks (include plugging procedure)

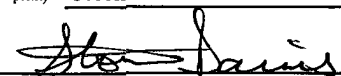
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33 Indicate which items have been attached by placing a check in the appropriate boxes

<input checked="" type="checkbox"/> Electrical/ Mechanical Logs (1 full set required)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input checked="" type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input checked="" type="checkbox"/> 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 7/18/11

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