

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 015-42016	⁵ Pool Name Hackberry; Bone Spring, North		⁶ Pool Code 97056
⁷ Property Code 35819	⁸ Property Name Blue Thunder 5 Federal Com		⁹ Well Number 5H

II. ¹⁰ Surface Location

Ul or lot no. L	Section 4	Township 19S	Range 31E	Lot Idn	Feet from the 1630	North/South Line South	Feet from the 255	East/West line West	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. L	Section 5	Township 19S	Range 31E	Lot Idn	Feet from the 1885	North/South Line South	Feet from the 350	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 6/13/14		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Refining & Marketing Company, LLC P.O. Box 159 Artesia, NM 88211-0159	O
36785	DCP Midstream, LP 10 Desta Dr - Suite 2500 Midland, TX 79705-4528	G

IV. Well Completion Data

²¹ Spud Date 2/25/14	²² Ready Date 5/15/14	²³ TD 13705'	²⁴ PBTD 13627'	²⁵ Perforations 9102-13540'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"	709'		625 sx
12 1/4"		9 5/8"	2800'		900 sx
7 7/8"		5 1/2"	13631'		2525 sx
		2 7/8"	8243'		

V. Well Test Data

³¹ Date New Oil 5/18/14	³² Gas Delivery Date 6/13/14	³³ Test Date 6/17/14	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 340#	³⁶ Csg. Pressure 100#
³⁷ Choke Size	³⁸ Oil 731	³⁹ Water 716	⁴⁰ Gas 550		⁴¹ Test Method Pumping

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
6/30/14

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:



Title:

District II Supervisor

Approval Date:

7-3-14

Pending BLM approvals will
subsequently be reviewed
and scanned

3160-4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB NO. 1004-0137

Expires: July 31, 2010

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 _____

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 #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

10. FIELD NAME

Hackberry; Bone Spring, North

At top prod. Interval reported below

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

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 Cemen- ter Depth	No. of Sks. & 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)						

26. Perforation Record

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
			→					
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well
			→					

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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.

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Delaware	4409'	6449'		Rustler	601'
Bone Spring	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:

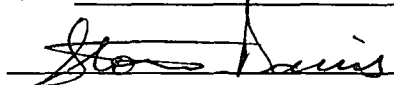
- ☐ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM105217
2. Name of Operator COG Operating LLC		6. If Indian, Allottee, or Tribe Name
3a. Address 2208 W. Main Street Artesia, NM 88210	3b. Phone No. (include area code) 575-748-6946	7. If Unit or CA, Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 1630' FSL & 255' FWL, Unit L (NWSW) Sec 4-T19S-R31E BHL: 1885' FSL & 350' FWL, Unit L (NWSW) Sec 5-T19S-R31E		8. Well Name and No. Blue Thunder 5 Federal Com #5H
Lat. Long.		9. API Well No. 30-015-42016
10. Field and Pool, or Exploratory Area Hackberry; Bone Spring, North		11. County or Parish, State Eddy NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamatantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Required Information for the Disposal of Produced Water:

- 1) Name of formation producing water on lease: Bone Spring
- 2) Amount of water produced in barrels per day: 1200 BWP
- 3) How water is stored on lease: 2 - 500 bbl fiberglass tanks
- 4) How water is moved to disposal facility: Trucked
- 5) Disposal Facility:
 - a) Facility Operator Name: Mesquite SWD, Inc.
 - b) Name of facility or well name & number: Cedar Lake 36 State #1 (Order SWD-1275)
 - c) Type of facility or well: WDW
 - d) Location by 1/4, 1/4, Section, Township & Range: NESW, Sec 36-T17S-R30E

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

Stormi Davis

Title: Regulatory Analyst

Signature:

Date: 6/30/14

THIS SPACE FOR FEDERAL OR STATE

Approved by:

Title:

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office:

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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to make any department or agency of the United