

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 - 025-45105	⁵ Pool Name WC-025 G-08 S203435D; WOLFCAMP	⁶ Pool Code 98247
⁷ Property Code 322258	⁸ Property Name Little Bear Federal Com	⁹ Well Number 9H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	33	20S	34E		384	South	1121	West	Lea

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	28	20S	34E		2440	South	998	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 6/20/19	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
	ACC	O
	Targa Midstream Services, LP 1000 Louisiana Ste 4700 Houston, TX 77002	G
	Holly Refining and Marketing Co.	O

IV. Well Completion Data

²¹ Spud Date 11/26/18	²² Ready Date 6/20/19	²³ TD 18868'	²⁴ PBTB 18789'	²⁵ Perforations 11,744-18,770'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20"	16"	1888'	1760		
13 1/2"	10 3/4"	5739'	4075		
9 7/8"	7 5/8"	10930'	1600		
6 3/4"	5 & 5 1/2"	18855'	1525		
	2 7/8"	10,579			

V. Well Test Data

³¹ Date New Oil 6/20/19	³² Gas Delivery Date 6/20/19	³³ Test Date 6/20/19	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 2000#	³⁶ Csg. Pressure 1500#
³⁷ Choke Size 24/64"	³⁸ Oil 83	³⁹ Water 1908	⁴⁰ Gas 9	⁴¹ Test Method Flowing	

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: *Amanda R. Avery*
Printed name: Amanda Avery
Title: Regulatory Analyst
E-mail Address: aavery@concho.com
Date: 8/9/19 Phone: 575-748-6962

OIL CONSERVATION DIVISION
Approved by: *P.M.A.*
Title: *Z.M.*
Approval Date: *8/15/2019*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

5. Lease Serial No.
NMNM128368

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
LITTLE BEAR FEDERAL COM 9H

2. Name of Operator
COG OPERATING LLC
Contact: AMANDA AVERY
E-Mail: aavery@concho.com

9. API Well No.
30-025-45105

3a. Address
2208 W MAIN STREET
ARTESIA, NM 88210

3b. Phone No. (include area code)
Ph: 575-748-6940

10. Field and Pool or Exploratory Area
WILDCAT; WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T20S R34E Mer NMP SWSW 384FSL 1121FWL
32.523378 N Lat, 103.570202 W Lon

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) 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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 checked="" type="checkbox"/> Other Hydraulic Fracture
	<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 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

2/27/19 Test annulus to 1500# Set Composite Bridge plug @ 18,789' and test csg to 9490#. Good test.
4/28/19 to 5/14/19 Perf 11,744-18,770' (1080). Aczd w/107,604 gal 7 1/2%; frac w/ 14,430,244# sand & 12,847,722 gal fluid.
5/22/19 to 5/25/19 Drilled out CFP's. Clean down to PBTD @18,789'.
6/1/19 to 6/2/19 Set 2 7/8" 6.5# L-80 tbg @ 10,579' packer @ 10,569'. Installed gas lift system.
6/20/19 Began flowing back & testing. Date of first production.

HOBBS OCD
AUG 15 2019
RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #477560 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs

Name (Printed/Typed) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 08/12/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title

Date

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 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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

HOBBS OCD
AUG 15 2019
RECEIVED

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

5. Lease Serial No.
NMNM128368

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
COG OPERATING LLC
Contact: AMANDA AVERY
E-Mail: aavery@concho.com

8. Lease Name and Well No.
LITTLE BEAR FEDERAL COM 9H

3. Address
2208 W MAIN STREET
ARTESIA, NM 88210

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

9. API Well No.
30-025-45105

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 33 T20S R34E Mer NMP
At surface SWSW Lot M 384FSL 1121FEL 32.523378 N Lat, 103.570202 W Lon
Sec 33 T20S R34E Mer NMP
At top prod interval reported below SWSW Lot M 384FSL 1121FEL 32.523378 N Lat, 103.570202 W Lon
Sec 33 T20S R34E Mer NMP
At total depth NWSW Lot L 2440FSL 998FWL 32.543561 N Lat, 103.570607 W Lon

10. Field and Pool, or Exploratory
WILDCAT; WOLFCAMP

11. Sec., T., R., M., or Block and Survey
or Area Sec 33 T20S R34E Mer NMP

12. County or Parish
LEA
13. State
NM

14. Date Spudded
11/26/2018

15. Date T.D. Reached
12/27/2018

16. Date Completed
 D & A Ready to Prod.
06/20/2019

17. Elevations (DF, KB, RT, GL)*
3805 GL

18. Total Depth: MD 18868
TVD 11407

19. Plug Back T.D.: MD 18789
TVD 11407

20. Depth Bridge Plug Set: MD 18789
TVD 11407

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

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
20.000	16.000 J55	84.0	0	1888		1760		0	
13.500	10.750 L80	45.5	0	5739	3791	4075		0	
9.875	7.625 L80	29.7	0	10930		1600		0	
6.750	5.500 P110	20.0	0	18855		1525		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10579	10569						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11744	18770	11744 TO 18770		1080	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11744 TO 18770	SEE ATTACHED INFORMATION

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
06/20/2019	06/20/2019	24	→	83.0	9.0	1908.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	2000	1500.0	→	83	9	1908		POW	

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 reverse side)
ELECTRONIC SUBMISSION #477548 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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, 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
					Meas. Depth
RUSTLER	1754			RUSTLER	1754
TOP OF SALT	2163			TOP OF SALT	2163
BOTTOM OF SALT	3597			BOTTOM OF SALT	3597
BRUSHY CANYON	8440			BRUSHY CANYON	8440
BONE SPRING LIMESTONE	8808			BONE SPRING LIMESTONE	8808
1ST BONE SPRING	9912			1ST BONE SPRING	9912
2ND BONE SPRING	10376			2ND BONE SPRING	10376
3RD BONE SPRING	11236			3RD BONE SPRING	11236

32. Additional remarks (include plugging procedure):
WOLFCAMP 11574

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #477548 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission) Date 08/12/2019

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.

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