

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

Submit one copy to appropriate District Office

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

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 - 025-45104	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 8H

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
O	33	20S	34E		696	South	2197	East	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
K	28	20S	34E		2439	South	2302	West	Lea

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	F	6/23/19			

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	²² Ready Date	²³ TD	²⁴ PBSD	²⁵ Perforations	²⁶ DHC, MC
10/28/18	6/23/19	18693'	18292'	11,661-18,478'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20"	16"	1803'	1750		
13 1/2"	10 3/4"	5697'	4750		
9 7/8"	7 5/8"	10964'	1600		
6 3/4"	5 & 5 1/2	18658'	1500		
	2 7/8	10,606			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
6/23/19	6/23/19	6/23/19	24 Hrs	2200#	1500#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
24/64"	38	1685	65	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: <i>Amanda Avery</i>	OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i>
Printed name: Amanda Avery	Title: <i>RM</i>
Title: Regulatory Analyst	Approval Date: 8/15/2019
E-mail Address: aavery@concho.com	
Date: 8/8/19	Phone: 575-748-6962

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

HOBBS OCD
AUG 15 2008
RECEIVED

5. Lease Serial No.
NMNM0000082

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 8H

3. Address **2208 W MAIN STREET**
ARTESIA, NM 88210 3a. Phone No. (include area code)
Ph: **575-748-6940**

9. API Well No.
30-025-45104

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 33 T20S R34E Mer NMP
 At surface **SWSE Lot O 696FSL 2197FEL 32.524238 N Lat, 103.563769 W Lon**
 Sec 33 T20S R34E Mer NMP
 At top prod interval reported below **SWSE Lot O 696FSL 2197FEL 32.524238 N Lat, 103.563769 W Lon**
 Sec 28 T20S R34E Mer NMP
 At total depth **NESW Lot K 2439FSL 2302FWL 32.543557 N Lat, 103.566376 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
10/28/2018 15. Date T.D. Reached
02/17/2019 16. Date Completed
 D & A Ready to Prod.
06/23/2019

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

18. Total Depth: MD **18693** TVD **11436** 19. Plug Back T.D.: MD **18292** TVD **11436** 20. Depth Bridge Plug Set: MD **18589** TVD **11436**

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	1803		1300		0	
13.500	10.750 L80	45.5	0	5698	3848	4750		0	
9.875	7.625 L80	29.7	0	10964		1600		0	
6.750	5.500 P110	20.0	0	18658		1500		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	10606	10596						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11661	18478	11661 TO 18478		1050	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
11661 TO 18478	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
06/23/2019	06/23/2019	24	→	38.0	65.0	1685.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
17/64	SI 2200	1500.0	→	38	65	1685		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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	1768			RUSTLER	1768
TOP OF SALT	2176			TOP OF SALT	2176
BOTTOM OF SALT	3474			BOTTOM OF SALT	3474
BRUSHY CANYON	8440			BRUSHY CANYON	8440
BONE SPRING LIMESTONE	8819			BONE SPRING LIMESTONE	8819
1ST BONE SPRING	9927			1ST BONE SPRING	9927
2ND BONE SPRING	10358			2ND BONE SPRING	10358
3RD BONE SPRING	11229			3RD BONE SPRING	11229

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 #477358 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 08/09/2019

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

HOBBS OCD
AUG 13 2019
RECEIVED

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.
NMNM0000082

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.
30-025-45104

10. Field and Pool or Exploratory Area
WILDCAT; WOLFCAMP

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T20S R34E Mer NMP SWSE 696FSL 2197FEL
32.524238 N Lat, 103.563769 W Lon

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 recomplete 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.

3/14/19 Test annulus to 1500# Set Composite Bridge plug @ 18,589' and test csg to 9467#. Good test.
4/29/19 to 5/14/19 Perf 11,661-18,478' (1050). Acdz w/54,642 gal 7 1/2%; frac w/ 14,032,380# sand & 11,766,804 gal fluid.
5/29/19 to 5/30/19 Drilled out CFP's. Clean down to PBTD @18,292'.
6/5/19 6/6/19 Set 2 7/8" 6.5# L-80 tbg @ 10,606' packer @ 10,596'. Installed gas lift system.
6/23/19 Began flowing back & testing. Date of first production.

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

**Electronic Submission #477363 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 08/09/2019

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 ****