

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR REVIEWABLE 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 - 025-45100	⁵ Pool Name Berry; Bone Spring, North	⁶ Pool Code 5535
⁷ Property Code 322258	⁸ Property Name Little Bear Federal Com	⁹ Well Number 4H

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	1151	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
K	28	20S	34E		2420	South	1677	West	Lea

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 6/23/19	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 10/28/18	²² Ready Date 6/23/19	²³ TD 18783'	²⁴ PBSD 18696'	²⁵ Perforations 11,606-18,675'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1868'	1400		
12 1/4"	9 5/8"	5740'	2700		
8 3/4"	5 1/2"	18768'	3600		
	2 7/8"	11045'			

V. Well Test Data

³¹ Date New Oil 6/23/19	³² Gas Delivery Date 6/23/19	³³ Test Date 6/23/19	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 1500#	³⁶ Csg. Pressure 1300#
³⁷ Choke Size 24/64"	³⁸ Oil 125	³⁹ Water 2086	⁴⁰ Gas 249	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 Avery*

Printed name:
Amanda Avery

Title:
Regulatory Analyst

E-mail Address:
aavery@concho.com

Date:
7/29/19

Phone:
575-748-6962

OIL CONSERVATION DIVISION

Approved by:

P. W. [Signature]

Title:

L. M. [Signature]

Approval Date:

8/5/2019

Documents pending BLM approvals will subsequently be reviewed and scanned.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

AUG 02 2019

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM128368	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: AMANDA AVERY E-Mail: aavery@concho.com		8. Lease Name and Well No. LITTLE BEAR FEDERAL COM 4H	
3. Address 2208 W MAIN STREET ARTESIA, NM 88210		9. API Well No. 30-025-45100	
3a. Phone No. (include area code) Ph: 575-748-6940		10. Field and Pool, or Exploratory BERRY; BONE SPRING NORTH	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW Lot M 384FSL 1151FWL 32.523378 N Lat, 103.570105 W Lon Sec 33 T20S R34E Mer NMP		11. Sec., T., R., M., or Block and Survey or Area Sec 33 T20S R34E Mer NMP	
At top prod interval reported below SWSW Lot M 384FSL 1151FWL 32.523378 N Lat, 103.570105 W Lon Sec 28 T20S R34E Mer NMP		12. County or Parish LEA	
At total depth NESW Lot K 2420FSL 1677FWL 32.543506 N Lat, 103.568406 W Lon		13. State NM	
14. Date Spudded 10/28/2018	15. Date T.D. Reached 11/21/2018	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/23/2019	17. Elevations (DF, KB, RT, GL)* 3805 GL
18. Total Depth: MD 18783 TVD 11266	19. Plug Back T.D.: MD 18696 TVD 11266	20. Depth Bridge Plug Set: MD 18700 TVD 11266	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Cemen- ter Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1868		1400		0	
12.250	9.625 L80	40.0	0	5740	3860	2700		0	
8.750	5.500 P110	20.0	0	18768		3600		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	11045	11034						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11606	18675	11606 TO 18675		1080	OPEN
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11606	18675	11606 TO 18675		1080	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11606 TO 18675	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
06/23/2019	06/23/2019	24	→	125.0	249.0	2086.0			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	1500	1300.0	→	125	249	2086		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 #475779 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	1756			RUSTLER	1756
TOP OF SALT	2166			TOP OF SALT	2166
BOTTOM OF SALT	3581			BOTTOM OF SALT	3581
BRUSHY CANYON	8452			BRUSHY CANYON	8452
BONE SPRING LIMESTONE	8814			BONE SPRING LIMESTONE	8814
1ST BONE SPRING	9919			1ST BONE SPRING	9919
2ND BONE SPRING	10377			2ND BONE SPRING	10377
3RD BONE SPRING	11272			3RD BONE SPRING	11272

32. Additional remarks (include plugging procedure):

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 #475779 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 07/30/2019

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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 or to abandon a well. Use form 3160-3 (APD) for such proposals.

July 02 2019

RECEIVED

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. NMNM128368
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: AMANDA AVERY E-Mail: aavery@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6940	8. Well Name and No. LITTLE BEAR FEDERAL COM 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T20S R34E Mer NMP SWSW 384FSL 1151FWL 32.523378 N Lat, 103.570105 W Lon		9. API Well No. 30-025-45100
		10. Field and Pool or Exploratory Area BERRY; BONE SPRING NORTH
		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 recompleat 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 recompleat 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 @ 18,700' and test csg to 9480#. Good test.
4/28/19 to 5/14/19 Perf 11,606-18,675' (1080). Acdz w/106,848 gal 7 1/2%; frac w/ 14,361,011# sand & 13,359,204 gal fluid.
5/26/19 to 5/27/19 Drilled out CFP's. Clean down to PBTD @18,696'.
6/3/19 6/4/19 Set 2 7/8" 6.5# L-80 tbg @ 11,045' packer @ 11,035'. 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 #475784 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 07/30/2019

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.