

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 Production LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 217955
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-43015	⁵ Pool Name Hay Hollow; Bone Spring /	⁶ Pool Code 30215 ✓
⁷ Property Code 38980	⁸ Property Name Cottonmouth 23 Federal Com	⁹ Well Number 2H

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
A	22	26S	28E		191	North	332	East	Eddy

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
M	23	26S	28E		338	South	961	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/22/16	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
	Tiller Well Service 221 S. College Ave Tyler, TX 75702	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street - Ste 700 Fort Worth, TX 76102	G
NM OIL CONSERVATION ARTESIA DISTRICT		

MAY 23 2016

IV. Well Completion Data

²¹ Spud Date 12/24/15	²² Ready Date 4/2/16	²³ TD 12910'	²⁴ PBE 12806'	²⁵ Perforations 8339-12787'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	383'	515		
12 1/4"	9 5/8"	2558'	900		
8 3/4"	5 1/2"	12910'	2775 sx (TOC @ 1810')		

V. Well Test Data

³¹ Date New Oil 4/8/16	³² Gas Delivery Date 4/22/16	³³ Test Date 5/4/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 449#
³⁷ Choke Size	³⁸ Oil 431	³⁹ Water 1682	⁴⁰ Gas 1923		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: *Stormi Davis*
Printed name: Stormi Davis
Title: Regulatory Analyst
E-mail Address: sdavis@concho.com
Date: 5/18/16
Phone: 575-748-6946

OIL CONSERVATION DIVISION	
Approved by: <i>Karen Sharp</i>	Title: <i>Budget Spec-Adv</i>
Approval Date: <i>5-26-16</i>	
Pending BLM approvals will subsequently be reviewed and scanned	

FS 5/25/16

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
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 reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMMN12559
2. Name of Operator COG PRODUCTION LLC Contact: STORMI DAVIS E-Mail: sdavis@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 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) Sec 22 T26S R28E Mer NMP NENE 191FNL 332FEL		8. Well Name and No. COTTONMOUTH 23 FEDERAL COM 2H
		9. API Well No. 30-015-43015
		10. Field and Pool, or Exploratory HAY HOLLOW; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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"/> 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 checked="" 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 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 rcomplete 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1/25/16 to 2/4/16 MIRU. Test 5 1/2" csg to 8500# for 15 mins. Good test. Perf 12837-12847' (60). Injection test.

3/15/16 to 4/2/16 Ran CBL. TOC @ 1810'. Set CBP @ 12806'. Test csg to 8170# for 30 mins. Good test. Perf Bone Spring 8339-12787' (504). Acdz w/40824 gal 15% acid; Frac w/6217318# sand & 5148806 gal fluid.

4/7/16 Began flowing back and testing.

4/8/16 First date of production.

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 23 2016

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #339457 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad	
Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 05/17/2016

THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

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 _____

Pending BLM approvals will
subsequently be reviewed
and scanned

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.

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

MAY 23 2016

RECEIVED

Form 3160-4
(August 2007)

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.
NMNM12559

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 PRODUCTION LLC
 Contact: STORMI DAVIS
 E-Mail: sdavis@concho.com

8. Lease Name and Well No.
COTTONMOUTH 23 FEDERAL COM 2H

3. Address 2208 WEST MAIN
ARTESIA, NM 88210

3a. Phone No. (include area code)
Ph: 575-748-6946

9. API Well No.
30-015-43015

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 22 T26S R28E Mer NMP
 At surface NENE 191FNL 332FEL
 At top prod interval reported below
 Sec 23 T26S R28E Mer NMP
 At total depth SWSW 338FSL 961FWL

10. Field and Pool, or Exploratory
HAY HOLLOW; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area Sec 22 T26S R28E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
12/24/2015

15. Date T.D. Reached
01/14/2016

16. Date Completed
 D & A Ready to Prod.
04/02/2016

17. Elevations (DF, KB, RT, GL)*
2980 GL

18. Total Depth: MD 12910
TVD 8122

19. Plug Back T.D.: MD 12806
TVD 8123

20. Depth Bridge Plug Set: MD 12806
TVD 8123

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

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
17.500	13.375 J55	54.5	0	383		515		0	
12.250	9.625 J55	40.0	0	2558		900		0	
8.750	5.500 P110	17.0	0	12910	2950	2775		1810	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8339	12787	8339 TO 12787	0.430	504	OPEN
B)			12837 TO 12847		60	UNDER CBP @ 12806'
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8339 TO 12787	SEE IN REMARKS

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
04/08/2016	05/04/2016	24	▶	431.0	1923.0	1682.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		449.0	▶	431	1923	1682		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
			▶					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			▶					

Pending BLM approvals will subsequently be reviewed and scanned

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
LAMAR	2546	2600		RUSTLER	527
BELL CANYON	2601	3408		TOS	816
CHERRY CANYON	3409	4630		BOS	2428
BRUSHY CANYON	4631	6294		LAMAR	2546
BONE SPRING LM	6295	7213		BELL CANYON	2601
1ST BONE SPRING	7214	8159		CHERRY CANYON	3409
				BRUSHY CANYON	4631
				BONE SPRING LM	6295

32. Additional remarks (include plugging procedure):

Perfs 15%(Gal) Sand(#) Fluid(Gal)
 12570-12787 1470 378857 392574
 12245-12462 3024 452957 372708
 11919-12136 3024 453010 369348
 11594-11811 3024 452201 368970
 11268-11487 3024 449595 366140
 10947-11160 3024 452726 365862
 10617-10834 3024 450732 365862

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 #339474 Verified by the BLM Well Information System.
 For COG PRODUCTION LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 05/17/2016

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 ****

Additional data for transaction #339474 that would not fit on the form

32. Additional remarks, continued

10292-10509 3024 451458 363468
9963-10183 3024 449550 369012
9641-9858 3024 447726 366660
9315-9532 3066 447348 363636
8990-9200 3024 451268 362754
8664-8881 3024 452412 362250
8339-8556 3024 427478 359562
Totals 40824 6217318 5148806

Surveys are attached.

Additional Tops:

1st Bone Spring 7214'