

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 - 015-42449	⁵ Pool Name Willow Lake; Bone Spring, SE	⁶ Pool Code 96217
⁷ Property Code 37491	⁸ Property Name Patron 23 Federal	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
C	23	25S	29E		322	North	2085	West	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
N	23	25S	29E		365	South	1991	West	Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 4/30/15	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
265309	Permian Transport and Trading 415 W. Wall - Ste 1000 Midland, TX 79701	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street - Ste 700 Fort Worth, TX 76102	G
NM OIL CONSERVATION ARTESIA DISTRICT		
MAY 26 2015		
RECEIVED		

IV. Well Completion Data

²¹ Spud Date 12/11/14	²² Ready Date 4/16/15	²³ TD 12215' <i>7828</i>	²⁴ PBDT 12135'	²⁵ Perforations 7977-12095'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	854'	850		
12 1/4"	9 5/8"	3267'	4377		
7 7/8"	5 1/2"	12190'	1675 (TOC @ 750')		
	2 7/8"	7295'			

V. Well Test Data

³¹ Date New Oil 4/30/15	³² Gas Delivery Date 4/30/15	³³ Test Date 5/20/15	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 600#	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 512	³⁹ Water 2368	⁴⁰ Gas 2100	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: *Stormi Davis*

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
5/21/15

Phone:
575-748-6946

OIL CONSERVATION DIVISION	
Approved by:	<i>ADado</i>
Title:	<i>Dist B Super</i>
Approval Date:	<i>5-29-15</i>

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.

5. Lease Serial No.
NMNM120895

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
PATRON 23 FEDERAL 2H

9. API Well No.
30-015-42449

10. Field and Pool, or Exploratory
WILLOW LAKE; BONE SPRING

11. County or Parish, and State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG PRODUCTION LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T25S R29E Mer. NMP NENW 322FNL 2085FWL

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 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 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.)

2/3/15 MIRU. Install test plug & test to 9500# for 15 mins. Good test. Load & test 9 5/8" x 5 1/2" annulus to 1500# for 15 mins. Good test. Ran CBL. TOC @ 750'. Set CBP @ 12135'. Test to 8560#. Perforate 12085-12095' (60) & perform injection test.

3/2/15 to 3/8/15 Perforate Bone Spring 7977-12035' (972). Acdz w/87336 gal 7 1/2%; frac w/6420645# sand & 6686671 gal fluid.

3/14/15 to 4/14/15 Drilled out frac plugs. Left frac plug @ 12055' & CBP @ 12135'. Circulate clean.

4/16/15 Set 2 7/8" 6.5# J-55 tbg @ 7295'. Place well on pump.

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 26 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #302501 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad

Name (Printed/Typed) STORMI DAVIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/21/2015

CED 6/2/15
Accepted for record
NMCCD

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.

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

Additional data for EC transaction #302501 that would not fit on the form

32. Additional remarks, continued

4/17/15 Began flowing back & testing.

4/30/15 Date of 1st production.

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 26 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED

5. Lease Serial No.
NMNM120895

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG PRODUCTION LLC			Contact: STORMI DAVIS E-Mail: sdavis@concho.com		
3. Address 2208 W MAIN ST ARTESIA, NM 88210			3a. Phone No. (include area code) Ph: 575-748-6946		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 23 T25S R29E Mer NMP At surface NENW 322FNL 2085FWL At top prod interval reported below Sec 23 T25S R29E Mer NMP At total depth SESW 365FSL 1991FWL			8. Lease Name and Well No. PATRON 23 FEDERAL 2H		
14. Date Spudded 12/11/2014			15. Date T.D. Reached 01/10/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/16/2015			9. API Well No. 30-015-42449		
18. Total Depth: MD 12215 TVD 7828			19. Plug Back T.D.: MD 12135 TVD 7826		
20. Depth Bridge Plug Set: MD 12135 TVD 7826			17. Elevations (DF, KB, RT, GL)* 3113 GL		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	854		850		0	
12.250	9.625 J55	36.0	0	3267	950	4377		0	
7.875	5.500 P110	17.0	0	12190		1675		750	

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	7295							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7977	12095	7977 TO 12035	0.430	972	OPEN
B)			12085 TO 12095		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7977 TO 12035	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
04/30/2015	05/20/2015	24	→	512.0	2100.0	2350.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	600		→	512	2100	2350		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 #302500 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
LAMAR	3272	3309		RUSTLER	681
BELL CANYON	3310	4172		TOS	1244
CHERRY CANYON	4173	5442		BOS	3083
BRUSHY CANYON	5443	7045		LAMAR	3272
BONE SPRING LM	7046	7846		BELL CANYON	3310
				CHERRY CANYON	4173
				BRUSHY CANYON	5443
				BONE SPRING LM	7046

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 11934-12035 4032 247847 269682
 11781-11883 3024 248209 325942
 11629-11707 4536 244231 263130
 11482-11578 3024 244245 243726
 11327-11426 3024 245664 246142
 11174-11274 3024 250173 244902
 11021-11122 3024 247925 242634

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 #302500 Verified by the BLM Well Information System.
 For COG PRODUCTION LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 05/21/2015

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 #302500 that would not fit on the form

32. Additional remarks, continued

10868-10970 4512 248419 247314
10716-10822 3066 246092 245784
10564-10665 3066 245660 245322
10412-10516 3066 248755 254058
10260-10361 3024 9105 135366
10107-10207 3108 247372 256620
9955-10057 3066 244971 247044
9808-9905 3066 245440 243264
9651-9752 3066 245952 242172
9499-9600 3108 247349 242004
9347-9448 3024 247276 241584
9194-9296 3024 246180 248682
9042-9142 2982 244194 285222
8890-8991 3024 248947 245238
8738-8839 3234 242869 241668
8586-8687 3822 250106 258510
8434-8530 3024 245875 239694
8287-8383 3024 245303 244272
8129-8231 3318 247486 241080
7977-8078 3024 245000 245616
Totals 87336 6420645 6686671

Surveys are attached.