

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**

<sup>1</sup> Operator Name and Address COG Production LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 217955
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 015-42507	<sup>5</sup> Pool Name Willow Lake; Bone Spring, Southeast	<sup>6</sup> Pool Code 96217
<sup>7</sup> Property Code 313490	<sup>8</sup> Property Name Cabo Wabo 25 Federal Com	<sup>9</sup> Well Number 3H

**II. <sup>10</sup> 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	25	25S	29E		540	South	1650	East	Eddy

**<sup>11</sup> 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
B	24	25S	29E		360	North	1805	East	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P		<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date	

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
35246	Shell Trading US Company P.O. Box 4604 Houston, TX 77210-4604	O
	<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT JUL 27 2015 RECEIVED	

**IV. Well Completion Data**

<sup>21</sup> Spud Date 11/23/14	<sup>22</sup> Ready Date 6/2/15	<sup>23</sup> TD 17420' 7945	<sup>24</sup> PBDT 17350'	<sup>25</sup> Perforations 8062-17300'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17 1/2"	13 3/8"	813'	620		
12 1/4"	9 5/8"	3315'	1130		
8 3/4"	5 1/2"	17404'	3710 sx (TOC @ 2230')		
	2 7/8"	7397'			

**V. Well Test Data**

<sup>31</sup> Date New Oil 6/9/15	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date 6/10/15	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 5#
<sup>37</sup> Choke Size	<sup>38</sup> Oil 50	<sup>39</sup> Water 1122	<sup>40</sup> Gas 0		<sup>41</sup> Test Method Flowing

<sup>42</sup> 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.		OIL CONSERVATION DIVISION	
Signature:		Approved by:	
Printed name: Stormi Davis		Title:	
Title: Regulatory Analyst		Approval Date: 8-11-15	
E-mail Address: sdavis@concho.com		Pending BLM approvals will subsequently be reviewed and scanned	
Date: 7/23/15	Phone: 575-748-6946		

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. NMNM120895
2. Name of Operator COG PRODUCTION LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6946		8. Well Name and No. CABO WABO 25 FEDERAL COM 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T25S R29E Mer NMP SWSE 540FSL 1650FEL		9. API Well No. 30-015-42507
		10. Field and Pool, or Exploratory WILLOW LAKE; 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 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 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.)

3/3/15 to 3/9/15 MIRU. Test backside to 1500# for 15 mins. Good test. Clean down to PBTD @ 17382'. Circulate clean.

3/10/15 to 6/2/15 Ran CBL. TOC @ 2230'. Set CBP @ 17350'. Test to 8550#. Good test. Perforate Bone Spring 8062-17300' (2196). Acdz w/188,003 gal 7 1/2% acid. Frac w/14,581,995# sand & 15,332,594 gal fluid.

6/5/15 Began flowing back & testing.

6/9/15 Date of 1st production.

6/23/15 to 6/30/15 Drilled out all CFP's and clean down to CBP @ 17350'.

**NM OIL CONSERVATION**

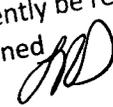
ARTESIA, DISTRICT

JUL 27 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #309970 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) STORMI DAVIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/23/2015

THIS SPACE FOR FEDERAL OR STATE OFFICIAL SIGNATURE

Pending BLM approvals will  
subsequently be reviewed  
and scanned 

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 _____	

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 #309970 that would not fit on the form**

**32. Additional remarks, continued**

7/2/15 Set 2 7/8" 6.5# J-55 tbg @ 7397'. Place well on pump.

# NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 27 2015

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

RECEIVED

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 25 T25S R29E Mer NMP At surface SWSE 540FSL 1650FEL At top prod interval reported below Sec 24 T25S R29E Mer NMP At total depth NWNE 360FNL 1805FEL		8. Lease Name and Well No. CABO WABO 25 FEDERAL COM 3H	
14. Date Spudded 11/23/2014		15. Date T.D. Reached 12/26/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/02/2015		9. API Well No. 30-015-42507	
18. Total Depth: MD 17420 TVD 7945		19. Plug Back T.D.: MD 17350 TVD 7943	
20. Depth Bridge Plug Set: MD 17350 TVD 7943		17. Elevations (DF, KB, RT, GL)* 3068 GL	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, LATEROLOG		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	813		620		0	
12.250	9.625 J55	36.0	0	3315		1130		0	
8.750	5.500 P110	17.0	0	17404		3710		2230	

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	7397							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8062	17300	8062 TO 17300	0.430	2196	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8062 TO 17300	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
06/09/2015	06/10/2015	24	▶	50.0	0.0	1122.0			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	
		5.0	▶	50	0	1122		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 St.
			▶					

Pending BLM approvals will subsequently be reviewed and scanned *MD*

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #309996 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.)  
NO MEASURABLE GAS

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
BELL CANYON	3388	4267		RUSTLER	756
CHERRY CANYON	4268	5534		TOS	1175
BRUSHY CANYON	5535	7130		BOS	3150
BONE SPRING LM	7131	8045		LAMAR	3357
1ST BONE SPRING	8046	8939		BELL CANYON	3388
2ND BONE SPRING	8940	9983		CHERRY CANYON	4268
3RD BONE SPRING	9984	10366		BRUSHY CANYON	5535
WOLFCAMP	10367	10500		BONE SPRING LM	7131

32. Additional remarks (include plugging procedure):

Amended to correct BHL. Please cancel previously submitted Form 3160-4.

Perfs 7 1/2% Sand(#) Fluid(Gal)  
 17300 17248 17197 1554 247120 242172  
 17147 17096 17045 3012 246124 267824  
 16994 16944 16893 3024 246067 268380  
 16842 16791 16743 3024 244531 264600  
 16690 16639 16588 2982 244951 268044

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 #309996 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 07/23/2015

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 #309996 that would not fit on the form**

**32. Additional remarks, continued**

16540 16487 16436 2982 247800 267468  
16385 16339 16284 2970 246051 262629  
16233 16182 16132 3024 243993 262962  
16085 16030 15979 3024 246246 260148  
15926 15878 15831 2982 246652 262416  
15776 15726 15675 3192 250355 262878  
15624 15573 15528 2982 246219 260737  
15472 15421 15370 3024 246106 260022  
15320 15269 15218 2982 246245 259728  
15167 15117 15066 3012 248324 261040  
15015 14960 14914 2940 246296 257923  
14863 14812 14761 3108 246428 256116  
14707 14660 14609 3012 246824 259086  
14558 14508 14463 3024 250633 258594  
14406 14355 14305 3276 245864 256662  
14256 14203 14152 2940 245149 256620  
14102 14051 14000 3066 246064 255570  
13944 13899 13848 3024 246059 253512  
13789 13746 13696 3024 246711 253008  
13643 13594 13543 3108 247486 253848  
13488 13442 13396 3150 247773 256746  
13340 13290 13239 2604 246016 253848  
13190 13137 13087 3066 246415 256242  
13030 12985 12930 3696 246278 251496  
12884 12833 12782 3108 250508 251748  
12731 12683 12629 3024 246036 249364  
12579 12528 12478 2940 248541 250572  
12428 12374 12325 2982 250142 250278  
12269 12224 12177 3024 248200 248472  
12122 12072 12021 2982 247532 248640  
11970 11923 11867 3024 245349 246372  
11818 11767 11716 3024 246139 246246  
11666 11615 11564 3024 247837 248304  
11515 11462 11412 2940 244631 246330  
11361 11310 11260 3066 247002 245742  
11206 11158 11107 3024 246124 243768  
11054 11009 10954 3570 248874 248178  
10904 10854 10803 3024 246343 301182  
10752 10697 10651 3192 2500 167412  
10600 10549 10500 3024 246336 245532  
10448 10397 10346 2940 246741 247464  
10295 10245 10194 4986 248333 302010