

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 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 - 015-41571	<sup>5</sup> Pool Name Hackberry; Bone Spring, North	<sup>6</sup> Pool Code 97056
<sup>7</sup> Property Code 40045	<sup>8</sup> Property Name Firefox Federal Com	<sup>9</sup> Well Number 4H

II. <sup>10</sup> Surface Location

Ul or lot no. L	Section 4	Township 19S	Range 31E	Lot Idn	Feet from the 1800	North/South Line South	Feet from the 275	East/West line West	County Eddy
--------------------	--------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	----------------

<sup>11</sup> Bottom Hole Location

Ul or lot no. I	Section 4	Township 19S	Range 31E	Lot Idn	Feet from the 1984	North/South Line South	Feet from the 341	East/West line East	County Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 7/14/15	<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
151618	Enterprise Field Services, LLC P.O. Box 4503 Houston, TX 77210-4503	O
147831	Agave Energy Company 105 S. 4 <sup>th</sup> Street Artesia, NM 88210	G
NM OIL CONSERVATION ARTESIA DISTRICT AUG 24 2015 RECEIVED		

IV. Well Completion Data

<sup>21</sup> Spud Date 5/23/15	<sup>22</sup> Ready Date 7/8/15	<sup>23</sup> TD 13365'	<sup>24</sup> PBTD 13360'	<sup>25</sup> Perforations 8987-13310'	<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"	720'	625		
12 1/4"	9 5/8"	2608'	850		
8 3/4"	5 1/2"	13365'	2750		
	2 7/8"	8360'			

V. Well Test Data

<sup>31</sup> Date New Oil 7/14/15	<sup>32</sup> Gas Delivery Date 7/14/15	<sup>33</sup> Test Date 7/20/15	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure 320#	<sup>36</sup> Csg. Pressure 170#
<sup>37</sup> Choke Size	<sup>38</sup> Oil 255	<sup>39</sup> Water 1468	<sup>40</sup> Gas 184		<sup>41</sup> Test Method Pumping

<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.

Signature: 

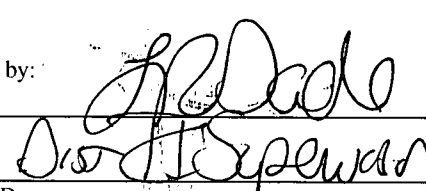

Printed name:  
Stormi Davis

Title:  
Regulatory Analyst

E-mail Address:  
sdavis@concho.com

Date:  
8/19/15

Phone:  
575-748-6946

OIL CONSERVATION DIVISION	
Approved by:	
Title:	District Supervisor
Approval Date:	8-26-15
Pending BLM approvals will subsequently be reviewed and scanned 	

## NM OIL CONSERVATION

ARTESIA DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 24 2015

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED**  
*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. NMNM105217
2. Name of Operator COG OPERATING 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. FIREFOX FEDERAL COM 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T19S R31E Mer NMP NWSW 1800FSL 275FWL		9. API Well No. 30-015-41571
		10. Field and Pool, or Exploratory HACKBERRY; 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 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 shall 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 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.)

6/8/15 MIRU. Test 9 5/8" x 5 1/2" annulus to 1000#. Test good. Set CBP @ 13335'. Test csg to 8518#. Good test. Perforate 13114-13310' (36). Injection test.

6/16/15 to 6/21/15 Perforate 8987-13012' (504). Acdz 8987-13310' w/92046 gal 7 1/2%; Frac w/6857270# sand & 6079628 gal fluid.

6/29/15 to 7/6/15 Drilled out all plugs. Clean down to PBTD @ 13360'.

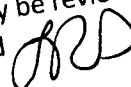
7/8/15 Set 2 7/8" 6.9# L-80 tbg @ 8360' & place well on pump.

7/14/15 Date of first production.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #313203 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) STORMI DAVIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/19/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE 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  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 24 2015

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM105217

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: STORMI DAVIS  
E-Mail: sdavis@concho.com

8. Lease Name and Well No.  
FIREFOX FEDERAL COM 4H

3. Address 2208 W MAIN ST  
ARTESIA, NM 88210

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

9. API Well No.  
30-015-41571

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 4 T19S R31E Mer NMP  
At surface NWSW 1800FSL 275FWL  
At top prod interval reported below  
Sec 4 T19S R31E Mer NMP  
At total depth NESE 1984FSL 341FEL

10. Field and Pool, or Exploratory  
HACKBERRY; BONE SPRING N

11. Sec., T., R., M., or Block and Survey  
or Area Sec 4 T19S R31E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
05/23/2015

15. Date T.D. Reached  
06/04/2015

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
07/08/2015

17. Elevations (DF, KB, RT, GL)\*  
3568 GL

18. Total Depth: MD 13365  
TVD 8887

19. Plug Back T.D.: MD 13360  
TVD 8887

20. Depth Bridge Plug Set: MD  
TVD

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	720		625		0	
12.250	9.625 J55	36.0	0	2608		850		0	
8.750	5.500 P110	17.0	0	13365		2750		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	8360							

### 25. Producing Intervals

### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8987	13310	8987 TO 13310	0.430	540	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8987 TO 13310	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
07/14/2015	07/20/2015	24	→	255.0	184.0	1468.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	320	170.0	→	255	184	1468		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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned *[Signature]*

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

ELECTRONIC SUBMISSION #313208 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
DELAWARE	4524	6525		RUSTLER	611
BONE SPRING LM	6526	7882		TOS	685
1ST BONE SPRING	7883	8771		BOS	2214
2ND BONE SPRING	8772	8904		YATES	2426
				SEVEN RIVERS	2699
				DELAWARE	4524
				BONE SPRING LM	6526
				1ST BONE SPRING	7883

## 32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)  
13114-13310 3000 449470 405822  
12819-13012 5999 451650 375431  
12524-12721 5999 451930 373043  
12224-12426 5999 524510 592673  
11935-12131 6972 457118 539637  
11640-11836 5999 452882 369668  
11345-11545 5999 456072 367778

## 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 #313208 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 08/19/2015

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 #313208 that would not fit on the form**

**32. Additional remarks, continued**

11050-11247 6384 448885 428904  
10750-10952 5982 456874 373059  
10461-10657 5999 458428 388256  
10166-10363 5964 452071 364500  
9871-10070 6192 452500 377640  
9577-9773 6258 451820 363804  
9288-9478 5999 459491 399999  
8987-9180 9300 433569 359415  
Totals 92046 6857270 6079628

Additional Tops:  
2nd Bone Spring 8772

Surveys attached.