

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

**NM OIL CONSERVATION**  
State of New Mexico  
ARTESIA DISTRICT  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

DEC 11 2014

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 Operating LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 015-42135	<sup>5</sup> Pool Name Wildcat G-03 S262631M; Bone Spring	<sup>6</sup> Pool Code 97818
<sup>7</sup> Property Code 38565	<sup>8</sup> Property Name Jack Federal	<sup>9</sup> Well Number 5H

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

Ul or lot no. A	Section 31	Township 25S	Range 27E	Lot Idn	Feet from the 190	North/South Line North	Feet from the 500	East/West line East	County Eddy
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**<sup>11</sup> Bottom Hole Location**

Ul or lot no. P	Section 31	Township 25S	Range 27E	Lot Idn	Feet from the 330	North/South Line South	Feet from the 424	East/West line East	County Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 12/3/14	<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
248440	Western Refining Company, LP 6500 Trowbridge Drive El Paso, TX 79905	O
147831	Agave Energy Company 105 S. 4 <sup>th</sup> Street Artesia, NM 88210	G
	NM OIL CONSERVATION ARTESIA DISTRICT DEC 1 X 2014	
	NM OIL CONSERVATION ARTESIA DISTRICT DEC 1 X 2014	
	NM OIL CONSERVATION ARTESIA DISTRICT DEC 1 X 2014	

**IV. Well Completion Data**

<sup>21</sup> Spud Date 9/8/14	<sup>22</sup> Ready Date 11/23/14	<sup>23</sup> TD 11956' 7513	<sup>24</sup> PBTD 11928'	<sup>25</sup> Perforations 7754-11903'	<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"	395'	400		
12 1/4"	9 5/8"	2058'	700		
8 3/4"	5 1/2"	11956'	2450		

**V. Well Test Data**

<sup>31</sup> Date New Oil 11/27/14	<sup>32</sup> Gas Delivery Date 12/3/14	<sup>33</sup> Test Date 11/30/14	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 300#
<sup>37</sup> Choke Size 30/64"	<sup>38</sup> Oil 746	<sup>39</sup> Water 2297	<sup>40</sup> Gas 1000		<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.

Signature:

Printed name:  
Stormi Davis

Title:  
Regulatory Analyst

E-mail Address:  
sdavis@concho.com

Date:  
12/9/14

Phone:  
575-748-6946

Approved by:

Title:

Approval Date:

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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.**

5. Lease Serial No.  
NMNM114349

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
JACK FEDERAL 5H

9. API Well No.  
30-015-42135

10. Field and Pool, or Exploratory  
WILDCAT; 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.)

10/28/14 to 11/23/14 MIRU. Test to 9200#. Good test. Ran CBL. TOC @ 3662'. Set CBP @ 11928'. Test csg to 8434#. Perf Bone Spring 7754-11903' (504). Acdz w/55576 gal 7 1/2%. Frac w/6521539# sand & 5407416 gal fluid.

11/26/14 Began flowing back & testing.

11/27/14 Date of 1st production.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 11 2014

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Approved for record  
FID NMOCDD 12/18/14

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #284575 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 12/09/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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 \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM114349

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
JACK FEDERAL 5H9. API Well No.  
30-015-4213510. Field and Pool, or Exploratory  
WILDCAT; BONE SPRING11. Sec., T., R., M., or Block and Survey  
or Area Sec 31 T25S R27E Mer NMP12. County or Parish  
EDDY13. State  
NM17. Elevations (DF, KB, RT, GL)\*  
3249 GL20. Depth Bridge Plug Set: MD 11928  
TVD 751322. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other2. Name of Operator  
COG OPERATING LLCContact: STORMI DAVIS  
E-Mail: sdavis@concho.com3. Address 2208 W MAIN ST  
ARTESIA, NM 882103a. Phone No. (include area code)  
Ph: 575-748-6946

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface Sec 31 T25S R27E Mer NMP  
NENE 190FNL 500FELAt top prod interval reported below  
Sec 31 T25S R27E Mer NMP

At total depth SESE 330FSL 424FEL

14. Date Spudded  
09/08/201415. Date T.D. Reached  
09/19/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
11/23/201418. Total Depth: MD 11956  
TVD 751319. Plug Back T.D.: MD 11928  
TVD 751321. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

## 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 H40	48.0	0	395		400		0	
12.250	9.625 J55	36.0	0	2058		700		0	
8.750	5.500 P110	17.0	0	11956		2450		3662	

## 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	7754	11903	7754 TO 11903	0.430	504	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
7754 TO 11903	SEE IN REMARKS

NM OIL CONSERVATION  
ARTESIA DISTRICT

DEC 11 2014

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## 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
11/27/2014	11/30/2014	24	→	746.0	1000.0	2297.0			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	
30/64	SI	300.0	→	746	1000	2297		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
	SI		→					

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #284578 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	2049	2095		RUSTLER	235
BELL CANYON	2096	2917		TOS	405
CHERRY CANYON	2918	4048		BOS	1857
BRUSHY CANYON	4049	5619		LAMAR	2049
BONE SPRING LM	5620	6554		BELL CANYON	2096
1ST BONE SPRING	6555	7344		CHERRY CANYON	2918
2ND BONE SPRING	7345	7517		BRUSHY CANYON	4049
				BONE SPRING LM	5620

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

Perfs 7 1/2" Sand (#) Fluid (gal)  
 11701-11903' 4000 456235 653016  
 11397-11599' 3822 450423 371028  
 11093-11296' 2982 449621 370566  
 10790-10992' 3570 456214 381192  
 10486-10685' 3822 453852 367878  
 10183-10385' 3822 555537 369306  
 9882-10081' 3822 454174 365148

## 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 #284578 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

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

Date 12/09/2014

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 #284578 that would not fit on the form**

**32. Additional remarks, continued**

9575-9778' 3822 450877 363468  
9272-9475' 6804 452944 377496  
8968-9171' 3822 452062 365106  
8661-8867' 3822 451964 351918  
8361-8563' 3822 445615 360444  
8057-8260' 3822 384034 339066  
7754-7956' 3822 507987 371784  
Totals 55576 6421539 5407416

**Additional Tops:**

1st Bone Spring 6555  
2nd Bone Spring 7345

Surveys are attached.