

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

RECEIVED

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 - 025-41181	<sup>5</sup> Pool Name WC-025 G-06 S263407P; Bone Spring	<sup>6</sup> Pool Code 97892
<sup>7</sup> Property Code 39912	<sup>8</sup> Property Name Gunner 8 Federal Com	<sup>9</sup> Well Number 6H

**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
N	8	26S	34E		190	South	2625	West	Lea

**<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
C	5	26S	34E		351	North	2296	West	Lea

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<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
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**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
16696	Oxy USA Inc PO Box 4294 Houston, TX 77210	O

**IV. Well Completion Data**

<sup>21</sup> Spud Date 6/11/15	<sup>22</sup> Ready Date 10/20/15	<sup>23</sup> TD 19640'	<sup>24</sup> PBTD 19568'	<sup>25</sup> Perforations 10102-19543'	<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"	815'	6506		
12 1/4"	9 5/8"	5393'	1710		
8 3/4"	5 1/2"	19640'	4265		
	2 7/8"	10034'			

**V. Well Test Data**

<sup>31</sup> Date New Oil 11/15/15	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date 11/17/15	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure 440#	<sup>36</sup> Csg. Pressure
<sup>37</sup> Choke Size	<sup>38</sup> Oil 245	<sup>39</sup> Water 2705	<sup>40</sup> Gas 561	<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: *Stormi Davis*

Printed name:  
Stormi Davis  
Title:  
Regulatory Analyst

E-mail Address:  
sdavis@concho.com

Date:  
11/18/15  
Phone:  
575-748-6946

OIL CONSERVATION DIVISION

Approved by: *[Signature]*  
Title: **Petroleum Engineer**  
Approval Date: *12/10/15*

E-PERMITTING - - New Well \_\_\_\_\_  
Comp *Am* P&A \_\_\_\_\_ TA \_\_\_\_\_  
CSNG *PT* Loc Chng \_\_\_\_\_  
ReComp \_\_\_\_\_ Add New Well \_\_\_\_\_  
Cancel Well \_\_\_\_\_ Create Pool \_\_\_\_\_

DEC 11 2015

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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.*

NOV 23 2015

5. Lease Serial No.  
NMNM124664

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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8. Well Name and No.  
GUNNER 8 FEDERAL COM 6H

9. API Well No.  
30-025-41181

10. Field and Pool, or Exploratory  
WILDCAT

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

3a. Address  
2208 WEST MAIN  
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 8 T26S R34E SESW 190FSL 2625FWL

**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.)

8/14/15 to 8/19/15 MIRU. Load & test 9 5/8" x 5 1/2" annulus to 1600# for 15 mins. Good test. Set CBP @ 19568'. Test csg to 8473#. Good test. Perforate 19443-19543' (36). Pump injection test.

10/2/15 to 10/20/15 Perforate Bone Spring 10102-19384' (2232). Acdz 10102-19543' w/192932 gal 7 1/2% acid. Frac w/18,927,810# sand & 19,125,133 gal fluid.

10/22/15 Began flowing back & testing.  
11/2/15 to 11/11/15 Drilled out all CFP's & cleaned out to CBP @ 19568'.  
11/13/15 Set 2 7/8" 6.5# L-80 tbg @ 10034' & pkr @ 9202'.

11/15/15 Date of first production.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #323872 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Hobbs**

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 11/18/2015

**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 \*\***

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.  
NMNM124664

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.  
GUNNER 8 FEDERAL COM 6H

3. Address 2208 WEST MAIN  
ARTESIA, NM 88210

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

9. API Well No. 30-025-41181

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

Sec 8 T26S R34E Mer  
At surface SESW 190FSL 2625FWL

At top prod interval reported below  
Sec 5 T26S R34E Mer

At total depth NENW 351FNL 2296FWL

NOV 23 2015

10. Field and Pool, or Exploratory  
WC-025 G-06 S263407P; BS

11. Sec., T., R., M., or Block and Survey  
or Area Sec 8 T26S R34E Mer

12. County or Parish LEA  
13. State NM

14. Date Spudded  
06/11/2015

15. Date T.D. Reached  
07/10/2015

16. Date Completed  
 D & A  Ready to Prod.  
10/20/2015

17. Elevations (DF, KB, RT, GL)\*  
3351 GL

18. Total Depth: MD 19640  
TVD 9769

19. Plug Back T.D.: MD 19568  
TVD 9769

20. Depth Bridge Plug Set: MD 19568  
TVD 9769

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	815		660		0	
12.250	9.625 J55	40.0	0	5393		1710		0	
8.750	5.500 P110	17.0	0	19640	6392	4265		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	10034	9202						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10102	19543	10102 TO 19543	0.430	2268	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10102 TO 19543	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
11/15/2015	11/17/2015	24	→	245.0	561.0	2705.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	440		→	245	561	2705		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 #323879 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.)  
FLARED

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	5317	5354		RUSTLER	817
BELL CANYON	5355	6385		TOP OF SALT	1176
CHERRY CANYON	6386	8133		BOTTOM OF SALT	5066
BRUSHY CANYON	8134	9639		LAMAR	5317
BONE SPRING LM	9640	9889		BELL CANYON	5355
				CHERRY CANYON	6386
				BRUSHY CANYON	8134
				BONE SPRING LM	9640

32. Additional remarks (include plugging procedure):

Stages 7 1/2% Sand# Fluid (Gal)  
 1 1512 301467 272286  
 2 3024 298341 363300  
 3 3024 299748 309960  
 4 3012 299029 513144  
 5 3012 299329 312132  
 6 3012 298242 334456  
 7 3012 300500 399744

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 #323879 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) STORMI DAVIS Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission) Date 11/18/2015

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 #323879 that would not fit on the form**

**32. Additional remarks, continued**

8 3066 300199 352212  
9 3024 297715 314244  
10 3024 321359 406644  
11 3024 299412 297654  
12 3024 299289 296058  
13 3012 300424 302010  
14 3012 298833 313434  
15 3024 300408 290220  
16 3108 298173 290304  
17 3024 299557 295134  
18 3000 298751 288348  
19 3000 299552 285954  
20 3000 299664 283518  
21 3054 300724 283866  
22 3066 297471 294714  
23 3024 300045 283957  
24 3012 292545 305832  
25 3108 299619 353052  
26 3738 299366 331464  
27 3066 300270 298137  
28 3066 300110 310548  
29 3012 298619 313948  
30 3012 300591 306956  
31 3066 300339 299796  
32 2814 298351 305970  
33 3012 300221 291718  
34 3024 300125 291289  
35 3066 299699 294546  
36 2982 299832 294798  
37 3024 300870 286104  
38 3024 300305 289212  
39 3066 299630 290932  
40 3024 301224 292758  
41 3024 301358 290850  
42 3024 300420 285096  
43 3012 297733 298281  
44 3024 301450 286986  
45 3570 301352 288960  
46 3012 300184 288864  
47 3822 302276 301896  
48 3234 301662 285390  
49 3012 299344 288528