

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 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 - 015-43158	<sup>5</sup> Pool Name Parkway; Bone Spring	<sup>6</sup> Pool Code 49622
<sup>7</sup> Property Code 314886	<sup>8</sup> Property Name Crashshoot 13 Federal Com	<sup>9</sup> Well Number 2H

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

UL or lot no. A	Section 24	Township 20S	Range 29E	Lot Idn	Feet from the 230	North/South Line North	Feet from the 1140	East/West line East	County Eddy
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<sup>11</sup> Bottom Hole Location

UL or lot no. B	Section 13	Township 20S	Range 29E	Lot Idn	Feet from the 344	North/South line North	Feet from the 1973	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 11/13/15	<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
278421	Holly Refining & Marketing Company, LLC PO Box 159 Artesia, NM 88210	O
147831	Agave Energy Company 105 S. 4th Street Artesia, NM 88210	G
	NM OIL CONSERVATION ARTESIA DISTRICT	
	NOV 25 2015	
	RECEIVED	

IV. Well Completion Data

<sup>21</sup> Spud Date 6/8/15	<sup>22</sup> Ready Date 10/16/15	<sup>23</sup> TD 13562' 8417	<sup>24</sup> PBTD 13480'	<sup>25</sup> Perforations 8900-13455'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 26"	<sup>28</sup> Casing & Tubing Size 20"	<sup>29</sup> Depth Set 345'	<sup>30</sup> Sacks Cement 1321		
17 1/2"	13 3/8"	1770'	1730		
12 1/4"	9 5/8"	3498'	1250		
8 3/4"	7" & 5 1/2"	13550'	2450		
	2 7/8"	7915'			

V. Well Test Data

<sup>31</sup> Date New Oil 11/12/15	<sup>32</sup> Gas Delivery Date 11/13/15	<sup>33</sup> Test Date 11/15/15	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure 400#	<sup>36</sup> Csg. Pressure 150#
<sup>37</sup> Choke Size	<sup>38</sup> Oil 582	<sup>39</sup> Water 1612	<sup>40</sup> Gas 875		<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:  
11/19/15

Phone:  
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMNM0555546

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.**8. Well Name and No.  
CRAPSHOOT 13 FEDERAL COM 2H9. API Well No.  
30-015-4315810. Field and Pool, or Exploratory  
PARKWAY; BONE SPRING11. County or Parish, and State  
EDDY COUNTY, NM1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLCContact: STORMI DAVIS  
E-Mail: sdavis@concho.com3a. Address  
2208 WEST MAIN  
ARTESIA, NM 882103b. Phone No. (include area code)  
Ph: 575-748-69464. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 24 T20S R29E NENE 230FNL 1140FEL

## 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.)

7/2/15 to 8/10/15 MIRU. Load & test 7" x 9 5/8" annulus to 1600# for 15 mins. Test ok. Test 7" 5 1/2" csg to 2500#. Did not test. Found csg is collapsed. Cut out 4'8" of 20" csg & chipped cmt from around csg. Cut off & dressed 7" csg @ 11', 9 5/8" csg @ 12.5', 13 3/8" csg @ 15' & 20" csg @ 17.5'. Tie back all strings w/new csg. Unable to tie back 7". Spear into csg. Run free-point. Csg stuck @ 437', free @ 394'. Cut & pull 10 jts csg. RIH w/new csg. Cut off csg & dress off csg stub. Test 7" x 9 5/8" annulus to 1500#. Test ok. Test 7" x 5 1/2" annulus to 8500# for 15 mins. Good test. Clean out to PBTD @ 13505'. Retest 7" x 5 1/2" to 8400# for 15 mins. Test ok. Drill out FC, FS & new formation to 13562'. Circ clean. Pump injection test. 8/11/15 Test annulus to 1000#. Good test. Set CBP @ 13480'. Test csg to 8100#. Good test. Perf Bone Spring 13261-13455' (36).

10/11/15 to 10/16/15 Perforate Bone Spring 8900-13154' (504). Acdz w/15% acid; frac w/6765597#

NM OIL CONSERVATION  
ARTESIA DISTRICT

NOV 25 2015

RECEIVED

Accepted for record  
URS NMOC 11/25/15

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

Electronic Submission #324074 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 11/19/2015

THIS SPACE FOR FEDERAL OR STATE

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 #324074 that would not fit on the form**

**32. Additional remarks, continued**

sand & 5656462 gal fluid.

10/18/15 Began flowing back & testing.

11/2/15 to 11/4/15 Drilled out all frac plugs. Clean down to CBP @ 13480'.

11/6/15 Set 2 7/8" 6.5# L-80 tbgs @ 7915'. Place well on pump.

11/12/15 Date of 1st production.

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.  
NMNM0555546

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 OPERATING LLC			Contact: STORMI DAVIS E-Mail: sdavis@concho.com		
3. Address 2208 WEST MAIN 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 Mining Statute) At surface NENE 230FNL 1140FEL At top prod interval reported below Sec 13 T20S R29E Mer At total depth NWNE 344FNL 1973FEL			10. Field and Pool, or Exploratory PARKWAY; BONE SPRING 11. Sec., T., R., M., or Block and Survey or Area Sec 24 T20S R29E Mer 12. County or Parish EDDY 13. State NM		
14. Date Spudded 06/08/2015			15. Date T.D. Reached 06/25/2015		
16. Date Completed 10/16/2015			17. Elevations (DF, KB, RT, GL)* 3320 GL		
18. Total Depth: MD 13562 TVD 8417			19. Plug Back T.D.: MD 13480 TVD 8417		
20. Depth Bridge Plug Set: MD 13480 TVD 8417			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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J55	94.0	0	345		1321		0	
17.500	13.375 J55	54.5	0	1770		1730		0	
12.250	9.625 J55	40.0	0	3498	1819	1250		0	
8.750	7.000 P110	29.0	0	7779		2450		0	
8.750	5.500 P110	17.0	7780	13550				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	7915							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8900	13455	8900 TO 13455	0.430	540	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
8900 TO 13455	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
11/12/2015	11/15/2015	24	→	582.0	875.0	1612.0			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	
	400	150.0	→	582	875	1612		POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	G. G.
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We
			→					

Pending BLM approvals will  
subsequently be reviewed  
and scanned.  
ADD

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

ELECTRONIC SUBMISSION #324228 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
CAPITAN REEF	2138	3286		RUSTLER	296
BELL CANYON	3287	3758		TOP OF SALT	452
CHERRY CANYON	3759	4799		BOTTOM OF SALT	1432
BRUSHY CANYON	4800	6271		YATES	1554
BONE SPRING LM	6272	6549		SEVEN RIVERS	1892
UP AVALON SHALE	6550	6874		CAPITAN REEF	2138
LO AVALON SHALE	6875	7302		BELL CANYON	3287
1ST BONE SPRING	7303	8212		CHERRY CANYON	3759

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

Stages 7 1/2% Sand# Fluid (Gal)  
 13261-13455 756 415770 366618  
 12950-13154 1506 447586 382614  
 12641-12846 1506 451761 379758  
 12326-12534 1470 453431 382452  
 12015-12223 1506 449272 377154  
 11704-11911 1512 463740 381402  
 11392-11600 1506 453269 377280

## 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 #324228 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 11/20/2015

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 #324228 that would not fit on the form**

**32. Additional remarks, continued**

11081-11283 1506 452005 395508  
10765-10977 1512 464344 378546  
10458-10665 1506 455059 373416  
10146-10354 1512 445870 370482  
9835-10042 1512 461825 371364  
9523-9731 1554 449606 373254  
9212-9415 1512 447029 371766  
8900-9107 756 455030 374850  
Totals 21130 6765597 5656462

**Additional Tops:**

Brushy Canyon 4800  
Bone Spring Lm 6272  
Up Avalon Shale 6550  
Lo Avalon Shale 6875  
1st Bone Spring 7303  
2nd Bone Spring 8213

Surveys are attached.