

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

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.***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. NMNM114970
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. SCREECH OWL FEDERAL 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T26S R27E Mer NMP NENW 50FNL 1550FWL		9. API Well No. 30-015-42826
		10. Field and Pool, or Exploratory WELCH; 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.)

6/1/15 to 6/3/15 MIRU. Test csg to 8500# for 15 mins. Good test.

6/4/15 to 6/16/15 Load & test 9 5/8" x 5 1/2" annulus to 1500#. Set CBP @ 17390'. Test to 5022#. Good test. Perforate Bone Spring 7700-17365' (1152). Acdz w/193032 gal 7 1/2% acid. Frac w/14526575# sand & 12198270 gal fluid.

6/18/15 Began flowing back & testing.

6/21/15 Date of first production.

7/6/15 to 7/9/15 Drill out all frac plugs & clean down to CBP @ 17390'.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #309629 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 07/20/2015
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

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subsequently be reviewed  
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**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #309629 that would not fit on the form**

**32. Additional remarks, continued**

7/11/15 Set 2 7/8" 6.5# J-55 tbg @ 7650' & pkr @ 6847'. Installed gas-lift system.

# NM OIL CONSERVATION

ARTESIA DISTRICT

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

5. Lease Serial No.  
NMNM114970

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

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

8. Lease Name and Well No.  
SCREECH OWL FEDERAL 2H

3. Address 2208 W MAIN ST  
ARTESIA, NM 88210 3a. Phone No. (include area code)  
Ph: 575-748-6946

9. API Well No.  
30-015-42826

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 19 T26S R27E Mer NMP  
At surface NENW 50FNL 1550FWL  
At top prod interval reported below  
Sec 30 T26S R27E Mer NMP  
At total depth SESW 341FSL 1901FWL

10. Field and Pool, or Exploratory  
WELCH; BONE SPRING  
11. Sec., T., R., M., or Block and Survey  
or Area Sec 19 T26S R27E Mer NMP  
12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
04/29/2015 15. Date T.D. Reached  
05/22/2015 16. Date Completed  
☐ D & A ☒ Ready to Prod.  
06/16/2015

17. Elevations (DF, KB, RT, GL)\*  
3340 GL

18. Total Depth: MD 17458  
TVD 7400 19. Plug Back T.D.: MD 17390  
TVD 7400 20. Depth Bridge Plug Set: MD 17390  
TVD 7400

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	338		400		0	
12.250	9.625 J55	36.0	0	2025		725		0	
8.750	5.500 P110	17.0	0	17458		3390		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	7650	6847						

### 25. Producing Intervals

### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7700	17365	7700 TO 17365	0.430	1152	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7700 TO 17365	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
06/21/2015	06/24/2015	24	→	545.0	1469.0	2879.0			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	
40/64	SI	650.0	→	545	1469	2879		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	
	SI		→						

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

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

ELECTRONIC SUBMISSION #309640 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	2027	2094		TOS	334
BELL CANYON	2095	2938		BOS	1864
CHERRY CANYON	2939	4090		LAMAR	2027
BRUSHY CANYON	4091	5614		BELL CANYON	2095
BONE SPRING LM	5615	6590		CHERRY CANYON	2939
1ST BONE SPRING	6591	7514		BRUSHY CANYON	4091
				BONE SPRING LM	5615
				1ST BONE SPRING	6591

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

17162-17365 3024 447031 359478  
 16788-16962 6006 447822 389886  
 16551-16735 6132 449359 394422  
 16246-16449 6048 452947 390012  
 15941-16195 6048 451154 388668  
 15635-15839 6048 453774 387198  
 15330-15534 6006 448924 481026  
 15025-15229 6006 451894 383586

## 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 #309640 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 07/20/2015

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 #309640 that would not fit on the form**

**32. Additional remarks, continued**

14720-14923 6006 453043 382914  
14415-14618 6048 447308 380604  
14105-14313 5964 449002 379554  
13804-14008 6048 450331 377454  
13499-13703 6048 445017 374892  
13191-13395 6048 419719 364644  
12889-13092 6048 448493 382914  
12583-12782 6006 450082 373926  
12278-12477 6006 450001 372792  
11975-12176 6048 446302 372666  
11668-11871 9072 600404 549486  
11363-11566 6048 452918 364392  
11057-11261 6006 449776 364644  
10752-10957 6006 442876 360612  
10447-10650 5964 453014 365358  
10143-10345 6006 451374 369096  
9836-10040 6048 450652 363090  
9531-9735 6048 453087 361830  
9226-9430 6048 452439 358596  
8921-9124 6006 450624 357252  
8616-8816 6048 452372 359520  
8310-8514 6048 450711 359898  
8005-8209 6048 445981 367500  
7700-7903 6048 458144 360360  
Totals 193032 14526575 12198270

Surveys are attached.