

# NM OIL CONSERVATION

ARTESIA DISTRICT  
**OCDA Artesia**  
 OCT 27 2015

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

5. Lease Serial No.  
 NMNM113937

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.  
 MARSH OWL FEDERAL COM 1H

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

9. API Well No. **30-015-43073**  
 30-015-43037

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 Sec 12 T26S R26E Mer NMP  
 At surface SWSE 10FSL 2180FEL  
 Sec 7 T26S R27E Mer  
 At top prod interval reported below NWSW Lot 3.1762FSL 345FWL  
 Sec 7 T26S R27E Mer NMP  
 At total depth NESE 1969FSL 338FEL

10. Field and Pool, or Exploratory  
 COTTONWOOD DRAW; BONE SPR  
 11. Sec., T., R., M., or Block and Survey  
 or Area Sec 12 T26S R26E Mer NMP  
 12. County or Parish  
 EDDY 13. State  
 NM

14. Date Spudded 05/29/2015 15. Date T.D. Reached 06/23/2015 16. Date Completed  
 D & A  Ready to Prod.  
 07/17/2015

17. Elevations (DF, KB, RT, GL)\*  
 3259 GL

18. Total Depth: MD 14313 TVD 7522 19. Plug Back T.D.: MD 14220 TVD 7524 20. Depth Bridge Plug Set: MD 14220 TVD 7524

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
 CNL, DLL 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 H40	48.0	0	225		295		0	
12.250	9.625 J55	40.0	0	1926		695		0	
8.750	5.500 P110	17.0	0	14313		2755		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	6036	6023						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9693	14195	9693 TO 14195	0.430	540	OPEN
B)			14245 TO 14255		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
9693 TO 14195	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
07/28/2015	08/02/2015	24	→	887.0	2240.0	2642.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
64/64		860.0	→	887	2240	2642		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
			→					

**ACCEPTED FOR RECORD**  
 FLOWS FROM WELL  
 OCT 19 2015  
 D. Stam  
 BUREAU OF LAND MANAGEMENT  
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #313992 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation  
 Date: 2/2/16

*AS*

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	1938	1977		BOS	1747
BELL CANYON	1978	2827		LAMAR	1938
CHERRY CANYON	2828	3955		BELL CANYON	1978
BRUSHY CANYON	3956	5508		CHERRY CANYON	2828
BONE SPRING LM	5509	6477		BRUSHY CANYON	3956
1ST BONE SPRING	6478	7221		BONE SPRING LM	5509
2ND BONE SPRING	7222	8291		1ST BONE SPRING	6478
3RD BONE SPRING	8292	8651		2ND BONE SPRING	7222

32. Additional remarks (include plugging procedure):

Perfs 7 1/2% Acid Sand(#) Fluid (Gal)  
 13990-14195 1512 453125 354144  
 13683-13888 3234 451744 366534  
 13379-13581 3066 446094 374514  
 13070-13274 3150 450521 373590  
 12763-12967 3024 451108 370902  
 12456-12660 3024 449319 372162  
 12150-12353 3024 449814 368130

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 #313992 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad  
 Committed to AFMSS for processing by DEBORAH HAM on 09/15/2015 ()

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 08/25/2015

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 #313992 that would not fit on the form**

**32. Additional remarks, continued**

11846-12046 3066 430419 368214  
11535-11739 3024 453528 368340  
11228-11432 3024 453274 367416  
10921-11128 3066 453786 366912  
10617-10824 3024 452054 366366  
10307-10512 3192 452220 363468  
10000-10205 3948 454501 366954  
9693-9898 3024 456004 366450  
Totals 45402 6757511 5514096

Additional tops:  
3rd Bone Spring: 8292  
Wolfcamp: 8652

Surveys Attached