

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia JAN 18 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

File Serial No.  
NMNM115409

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 W MAIN ST 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 requirements)* At surface NESE 1980FSL 1090FEL At top prod interval reported below Sec 1 T21S R28E Mer NMP At total depth NENE Lot 1 372FNL 390FEL			8. Lease Name and Well No. RUNNING BUFFALO 1 FEDERAL COM 1H		
14. Date Spudded 06/14/2014			15. Date T.D. Reached 07/16/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/09/2014			9. API Well No. 30-015-41538		
18. Total Depth: MD 13617 TVD 8568			19. Plug Back T.D.: MD 13527 TVD 8568		
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J55	65.0	0	850		850		0	
14.750	11.750 J55	47.0	0	1700		1075		0	
10.625	8.625 HCK55	32.0	0	3100	1780	850		250	
7.875	5.500 P110	17.0	0	13573		2025		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	7847							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8812	13520	8812 TO 13520	0.430	576	OPEN - SEE REMARKS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8812 TO 13520	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
09/13/2014	09/21/2014	24	→	412.0	362.0	1314.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	390	370.0	→	412	362	1314		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	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

ELECTRIC PUMP SUB-SURFACE

JAN 7 2015

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICEaccepted for record  
NMOCB (S)

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

ELECTRONIC SUBMISSION #272923 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DUE 3/21/15

Com agreement needed

## 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
BELL CANYON	3075	3875		RUSTLER	489
CHERRY CANYON	3876	6268		TOP OF SALT	916
BRUSHY CANYON	6269	6581		TANSILL	1542
BONE SPRING LM	6582	6731		CAPITAN	1870
AVALON SHALE	6732	7701		BELL CANYON	3075
1ST BONE SPRING	7702	8440		CHERRY CANYON	3876
2ND BONE SPRING	8441	8657		BRUSHY CANYON	6269
				BONE SPRING LM	6582

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

Perfs 7 1/2%(Gal) Sand(%) Fluid(Gal)

13328-13520 3066 449404 465654

13040-13232 6048 453232 373548

12752-12944 5999 447265 372743

12464-12656 5964 448398 369138

12176-12368 6108 449062 374971

11888-12080 7098 445277 409374

11605-11792 5922 34810 213024

## 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 #272923 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH HAM on 01/02/2015 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/23/2014

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 \*\*

ADD

**Additional data for transaction #272923 that would not fit on the form**

**32. Additional remarks, continued**

10981-11187 6006 448395 468174  
10671-10877 5940 451286 371052  
10361-10568 5940 449523 372012  
10051-10258 5964 447459 365358  
9742-9948 6006 452567 365358  
9432-9638 6048 449271 371112  
9122-9329 6006 451239 370254  
8812-9019 5940 442352 366846  
Totals 88054 6319540 5628617

**Additional tops:**

Avalon Shale 6732  
1st Bone Spring 7702  
2nd Bone Spring 8441