

# NM OIL CONSERVATION

ARTESIA DISTRICT

OCD Artesia  
FEB 06 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.  
NMNM114349

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		8. Lease Name and Well No. JACK FEDERAL 5H	
Contact: STORMI DAVIS E-Mail: sdavis@concho.com			
3. Address 2208 W MAIN ST ARTESIA, NM 88210		9. API Well No. 30-015-42135	
3a. Phone No. (include area code) Ph: 575-748-6946			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 31 T25S R27E Mer NMP At surface NENE 190FNL 500FEL At top prod interval reported below Sec 31 T25S R27E Mer NMP At total depth SESE 330FSL 424FEL		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING	
		11. Sec., T., R., M., or Block and Survey or Area * Sec 31 T25S R27E Mer NMP	
		12. County or Parish EDDY	
		13. State NM	
14. Date Spudded 09/08/2014		15. Date T.D. Reached 09/19/2014	
		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/23/2014	
17. Elevations (DF, KB, RT, GL)* 3249 GL			
18. Total Depth: MD 11956 TVD 7513		19. Plug Back T.D.: MD 11928 TVD 7513	
20. Depth Bridge Plug Set: MD 11928 TVD 7513			
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
17.500	13.375 H40	48.0	0	395		400		0	
12.250	9.625 J55	36.0	0	2058		700		0	
8.750	5.500 P110	17.0	0	11956		2450		3662	

### 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	7709	6917						

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7754	11903	7754 TO 11903	0.430	504	OPEN
B)						
C)						
D)						

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

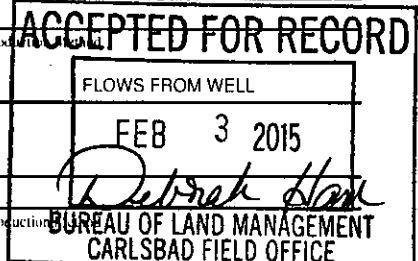
Depth Interval	Amount and Type of Material
7754 TO 11903	SEE IN REMARKS

### 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 Status
11/27/2014	11/30/2014	24	→	746.0	1000.0	2297.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
30/64	SI	300.0	→	746	1000	2297		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 Status
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						



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

ELECTRONIC SUBMISSION #284578 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Due: 5/30/15

## 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
LAMAR	2049	2095		RUSTLER	235
BELL CANYON	2096	2917		TOS	405
CHERRY CANYON	2918	4048		BOS	1857
BRUSHY CANYON	4049	5619		LAMAR	2049
BONE SPRING LM	5620	6554		BELL CANYON	2096
1ST BONE SPRING	6555	7344		CHERRY CANYON	2918
2ND BONE SPRING	7345	7517		BRUSHY CANYON	4049
				BONE SPRING LM	5620

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

Perfs 7 1/2" Sand (#) Fluid (gal)  
11701-11903' 4000 456235 653016  
11397-11599' 3822 450423 371028  
11093-11296' 2982 449621 370566  
10790-10992' 3570 456214 381192  
10486-10685' 3822 453852 367878  
10183-10385' 3822 555537 369306  
9882-10081' 3822 454174 365148

## 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 #284578 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 01/29/2015 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/09/2014

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 \*\*

**Additional data for transaction #284578 that would not fit on the form**

**32. Additional remarks, continued**

9575-9778' 3822 450877 363468  
9272-9475' 6804 452944 377496  
8968-9171' 3822 452062 365106  
8661-8867' 3822 451964 351918  
8361-8563' 3822 445615 360444  
8057-8260' 3822 384034 339066  
7754-7956' 3822 507987 371784  
Totals 55576 6421539 5407416

**Additional Tops:**

1st Bone Spring 6555  
2nd Bone Spring 7345

Surveys are attached.