

## OCD Artesia

Form 3160-4  
(August 2007)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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM97136	
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 _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: STORMI DAVIS E-Mail: sdavis@concho.com		8. Lease Name and Well No. MARAUDE 31 FEDERAL 3H	
3. Address 2208 W MAIN ST ARTESIA, NM 88210		9. API Well No. 30-015-41569	
3a. Phone No. (include area code) Ph: 575-748-6946		10. Field and Pool, or Exploratory GATUNA CANYON; BONE SPRING	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 31 T19S R31E Mer NMP At surface NWNE 330FNL 1650FEL At top prod interval reported below Sec 31 T19S R31E Mer NMP At total depth SESW 348FSL 1965FEL		11. Sec., T., R., M., or Block and Survey or Area Sec 31 T19S R31E Mer NMP	
14. Date Spudded 04/10/2014		15. Date T.D. Reached 04/25/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/13/2014		17. Elevations (DF, KB, RT, GL)* 3448 GL	
18. Total Depth: MD 13270 TVD 8899		19. Plug Back T.D.: MD 13262 TVD 8899	
20. Depth Bridge Plug Set: MD TVD		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
20.000	16.000 J55	65.0	0	450		550		0	
14.375	11.750 J55	47.0	0	2320		1250		0	
10.625	8.625 HCK55	32.0	0	4095	2375	1150		0	
7.875	5.500 P110	17.0	0	13265		1950		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	8417							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9088	13175	9088 TO 13115	0.430	504	OPEN
B)			13165 TO 13175		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9088 TO 13175	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
08/22/2014	08/25/2014	24	→	299.0	912.0	1407.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	384	127.0	→	299	912	1407		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	
			→						

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

ELECTRONIC SUBMISSION #258315 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation: 2/22/2014  
Due Date: 2/22/2014NM OIL CONSERVATION  
ARTESIA DISTRICT  
DEC 30 2014

RECEIVED

ACCEPTED FOR RECORD  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

CR

## 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
CHERRY CANYON	4052	5151		RUSTLER	385
BRUSHY CANYON	5152	6707		TOS	495
BONE SPRING LM	6708	7952		BOS	1990 *
1ST BONE SPRING	7953	8724		YATES	2176
2ND BONE SPRING	8725	8899		SEVEN RIVERS	2277
				CAPITAN	2429
				CHERRY CANYON	4052
				BRUSHY CANYON	5152

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

Perfs 7 1/2" Sand (#) Fluid (gal)  
 12919-13115' 2982 340156 334392  
 12624-12820' 6024 455588 387174  
 12329-12526' 5999 459662 376943  
 12035-12231' 6024 452431 373650  
 11740-11940' 6024 457858 391626  
 11445-11642' 6192 455862 375750  
 11151-11350' 6024 452477 369030

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (I 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 #258315 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DINAH NEGRETE on 11/22/2014 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/26/2014

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.

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**Additional data for transaction #258315 that would not fit on the form**

**32. Additional remarks, continued**

10856-11052' 5982 453141 438708  
10561-10758' 5982 447673 369114  
10267-10463' 5982 454161 369293  
9972-10168' 6006 450122 367626  
9677-9874' 5964 448936 367122  
9383-9579' 6024 452371 371676  
9088-9284' 6006 447317 367050  
Totals 81212 6227755 5259152

**Additional Tops:**

Bone Spring Lime 6708  
1st Bone Spring 7953  
2nd Bone Spring 8725