

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 25 2015

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

**WELL COMPLETION OR RECOMPLETION REPORT**

5. Lease Serial No.  
NMNM0555546

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 WEST MAIN 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)* Sec 24 T20S R29E Mer At surface NENE 230FNL 1140FEL  At top prod interval reported below Sec 13 T20S R29E Mer At total depth NWNE 344FNL 1973FEL		8. Lease Name and Well No. CRAPSHOOT 13 FEDERAL COM 2H	
14. Date Spudled 06/08/2015		15. Date T.D. Reached 06/25/2015	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/16/2015		9. API Well No. 30-015-43158	
18. Total Depth: MD 13562 TVD 8417		19. Plug Back T.D.: MD 13480 TVD 8417	
20. Depth Bridge Plug Set: MD 13480 TVD 8417		17. Elevations (DF, KB, RT, GL)* 3320 GL	
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
26.000	20.000 J55	94.0	0	345		1321		0	
17.500	13.375 J55	54.5	0	1770		1730		0	
12.250	9.625 J55	40.0	0	3498	1819	1250		0	
8.750	7.000 P110	29.0	0	7779		2450		0	
8.750	5.500 P110	17.0	7780	13550				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	7915							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8900	13455	8900 TO 13455	0.430	540	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8900 TO 13455	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
11/12/2015	11/15/2015	24	▶	582.0	875.0	1612.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	400	150.0	▶	582	875	1612		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 #324228 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.)  
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
CAPITAN REEF	2138	3286		RUSTLER	296
BELL CANYON	3287	3758		TOP OF SALT	452
CHERRY CANYON	3759	4799		BOTTOM OF SALT	1432
BRUSHY CANYON	4800	6271		YATES	1554
BONE SPRING LM	6272	6549		SEVEN RIVERS	1892
UP AVALON SHALE	6550	6874		CAPITAN REEF	2138
LO AVALON SHALE	6875	7302		BELL CANYON	3287
1ST BONE SPRING	7303	8212		CHERRY CANYON	3759

32. Additional remarks (include plugging procedure):

Stages 7 1/2% Sand# Fluid (Gal)  
 13261-13455 756 415770 366618  
 12950-13154 1506 447586 382614  
 12641-12846 1506 451761 379758  
 12326-12534 1470 453431 382452  
 12015-12223 1506 449272 377154  
 11704-11911 1512 463740 381402  
 11392-11600 1506 453269 377280

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 #324228 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 11/20/2015

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 #324228 that would not fit on the form**

**32. Additional remarks, continued**

11081-11283 1506 452005 395508  
10765-10977 1512 464344 378546  
10458-10665 1506 455059 373416  
10146-10354 1512 445870 370482  
9835-10042 1512 461825 371364  
9523-9731 1554 449606 373254  
9212-9415 1512 447029 371766  
8900-9107 756 455030 374850  
Totals 21130 6765597 5656462

**Additional Tops:**

Brushy Canyon 4800  
Bone Spring Lm 6272  
Up Avalon Shale 6550  
Lo Avalon Shale 6875  
1st Bone Spring 7303  
2nd Bone Spring 8213

Surveys are attached.