

NM OIL CONSERVATION

ARTESIA DISTRICT

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

JOC 442015-0

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM05555461a. 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 LLCContact: STORMI DAVIS
E-Mail: sdavis@concho.com8. Lease Name and Well No.
CRAPSHOOT 13 FEDERAL COM 2H3. Address 600 W ILLINOIS AVENUE
MIDLAND, TX 797013a. Phone No. (include area code)
Ph: 575-748-69469. API Well No.
30-015-43158-00-S14. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 24 T20S R29E Mer NMP
At surface NENE 230FNL 1140FEL10. Field and Pool, or Exploratory
PARKWAYAt top prod interval reported below
Sec 13 T20S R29E Mer NMP
At total depth NWNE 344FNL 1973FEL11. Sec., T., R., M., or Block and Survey
or Area Sec 24 T20S R29E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
06/08/201515. Date T.D. Reached
06/25/201516. Date Completed
☐ D & A ☒ Ready to Prod.
10/16/201517. Elevations (DF, KB, RT, GL)*
3320 GL18. Total Depth: MD 13562
TVD 841719. Plug Back T.D.: MD 13480
TVD 841720. Depth Bridge Plug Set: MD 13480
TVD 841721. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE22. 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
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
11/12/2015	11/15/2015	24	→	582.0	875.0	1612.0		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
SI	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
			→					
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
SI			→					

ACCEPTED FOR RECORD

ELECTRIC PUMP SUB-SURFACE

DEC 30 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #324228 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Reclamation
Date: 5/15/16

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 SALT	452
CHERRY CANYON	3759	4799		BASE OF SALT	1432
BRUSHY CANYON	4800	6271		YATES	1554
BONE SPRING LIME	6272	6549		SEVEN RIVERS	1892
AVALON SAND	6550	6874		CAPITAN REEF	2138
BONE SPRING 1ST	7303	8212		BELL CANYON	3287
				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
 Committed to AFMSS for processing by DEBORAH HAM on 12/10/2015 (16DMH0074SE)

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

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.