

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM114348

- 1a. 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.
POPULUS FEDERAL 3H3. Address 600 W ILLINOIS AVENUE
MIDLAND, TX 797013a. Phone No. (include area code)
Ph: 575-748-69469. API Well No.
30-015-43256-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Sec 20 T25S R27E Mer NMP
SESW 100FSL 1980FWL
At top prod interval reported below Sec 20 T25S R27E Mer NMP
SESW
Sec 29 T25S R27E Mer NMP
At total depth SESW 332FSL 1987FWL

10. Field and Pool, or Exploratory
COTTONWOOD DRAW-BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T25S R27E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
11/18/201515. Date T.D. Reached
12/19/201516. Date Completed
☐ D & A ☒ Ready to Prod.
03/03/201617. Elevations (DF, KB, RT, GL)*
3135 GL18. Total Depth: MD 12119
TVD 742019. Plug Back T.D.: MD 11950
TVD 742020. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL SONIC LATEROLOG22. 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. (lb/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	370		500		0	
12.250	9.625 J-55	40.0	0	2003		750		0	
8.750	7.000 P-110	29.0	0	5600	5571	800		0	
6.125	4.500 P-110	11.6	5293	12103		1050		5293	

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	6692	6683						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7584	11935	7584 TO 11935	0.430	504	OPEN
B)			11984 TO 11994			UNDER CIBP
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7584 TO 11935	40685 Gal 7-1/2% Acid + 6313633 Lbs. Sand + 5137844 Gal Fluid

Accepted for record - NMOCD

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
04/07/2016	04/10/2016	24	→	795.0	1532.0	1382.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
42/64	SI	680.0	→	795	1532	1382		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	
	SI		→						

ACCEPTED FOR RECORD

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

ELECTRONIC SUBMISSION #338322 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION DUE:
SEP 03 2016DAVID R. GLASS
PETROLEUM ENGINEER

/S/ DAVID R. GLASS

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	Thg. 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	Thg. 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
RUSTLER	220	424		RUSTLER	220
LAMAR	1993	2044		TOP SALT	424
BELL CANYON	2045	2866		BASE OF SALT	1818
CHERRY CANYON	2867	3938		LAMAR	1993
BRUSHY CANYON	3939	5559		BELL CANYON	2045
BONE SPRING LIME	5560	6484		CHERRY CANYON	2867
BONE SPRING 1ST	6485	7770		BRUSHY CANYON	3939
BONE SPRING	7584	11935		BONE SPRING LIME	5560
BONE SPRING 3RD	8330	8662		BONE SPRING 1ST	6485
				BONE SPRING 2ND	7771
				BONE SPRING 3RD	8330

32. Additional remarks (include plugging procedure):

Perfs 7 1/2%(Gal) Sand(%) Fluid(Gal)
11723-11935 1500 451793 367345
11404-11617 3024 451165 370818
11086-11298 3024 450896 369894
10768-10980 2970 450341 366337
10449-10662 3024 451236 366030
10131-10343 3024 450430 366954
9813-10025 2982 450105 365484

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 #338322 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER SANCHEZ on 05/20/2016 (16JAS1581SE)

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 05/04/2016

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 #338322 that would not fit on the form

32. Additional remarks, continued

9494-9706 3000 449607 365208
9173-9385 3000 450631 364709
8857-9070 3000 449409 363973
8539-8751 3024 450925 363762
8221-8433 3066 450651 379890
7902-8115 3024 451722 364224
7584-7796 3024 454722 363216
Totals 40685 6313633 5137844

Surveys & logs are attached.

Additional Perfs:

1st Bone Spring 6485'
Charkey 7771'
3rd Bone Spring 8330'