

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM OIL CONSERVATION
ARTESIA DISTRICT

APR 09 2018
OCD Artesia
RECEIVED

FORM 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 <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. POPULUS FEDERAL 2H		
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701			9. API Well No. 30-015-44102-00-S1		
3a. Phone No. (include area code) Ph: 575-748-6946			10. Field and Pool, or Exploratory WILDCAT - BONE SPRING		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE 115FNL 2310FEL 32.107853 N Lat, 104.210968 W Lon At top prod interval reported below NWNE 330FNL 1980FEL 32.107262 N Lat, 104.209900 W Lon At total depth SWSE 200FSL 1980FEL 32.094158 N Lat, 104.212097 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 29 T25S R27E Mer NMP		
14. Date Spudded 04/17/2017			15. Date T.D. Reached 04/26/2017		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/10/2017			17. Elevations (DF, KB, RT, GL)* 3147 GL		
18. Total Depth: MD 12200 TVD 7472		19. Plug Back T.D.: MD 12080 TVD 7472		20. Depth Bridge Plug Set: MD 12080 TVD 7472	
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 J55	54.5	0	425		C 520		0	
12.250	9.625 J55	40.0	0	2050		C 810		0	
8.750	5.500 P110	17.0	0	12200		C 2110		886	

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 16.5 Stg.	6965	6946						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRINGS	7600	12055	7600 TO 11990	0.430	1232	OPEN
B)			12045 TO 12055		60	OPEN
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
7600 TO 11990	SEE ATTACHED

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/11/2017	08/11/2017	24	→	20.0	0.0	1286.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
32/64	SI	500.0	→	20	0	1286			

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.	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 #387012 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
APR - 5 2018
BUREAU OF LAND MANAGEMENT
MIDLAND OFFICE

Reclamation Due: 2/10/2018

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	2038	2086		RUSTLER	245
BELL CANYON	2087	2913		TOP SALT	433
CHERRY CANYON	2914	3991		BASE OF SALT	1845
BRUSHY CANYON	3992	5595		LAMAR	2038
BONE SPRING	5596	6545		BELL CANYON	2087
BONE SPRING 1ST	6546	7349		CHERRY CANYON	2914
BONE SPRING 2ND	7350	7479		BRUSHY CANYON	3992
				BONE SPRING	5596

32. Additional remarks (include plugging procedure):
Surveys, perfs & stimulation are attached.

Additional Tops:
1st Bone Spring: 6546'
2nd Bone Spring: 7350'

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 #387012 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/12/2017 (17DW012ISE)

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 08/31/2017

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 ****