

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NM OIL CONSERVATION  
ARTESIA DISTRICT  
MAY 20 2016  
Artesia  
RECEIVED

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

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. NMLC028784C	
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. NMNM88525X	
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701		8. Lease Name and Well No. BURCH KEELY UNIT 934H	
3a. Phone No. (include area code) Ph: 432-686-3087		9. API Well No. 30-015-42758-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 2455FSL 210FEL 32.833911 N Lat, 104.019834 W Lon At top prod interval reported below NESE 2455FSL 210FEL At total depth NWSW 2295FSL 366FWL		10. Field and Pool, or Exploratory BURCH KEELY-GLORIETA-UPPER YES	
14. Date Spudded 10/13/2015		11. Sec., T., R., M., or Block and Survey or Area Sec 13 T17S R29E Mer NMP	
15. Date T.D. Reached 10/24/2015		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/13/2015		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3633 GL			
18. Total Depth: MD 9599 TVD 4937		19. Plug Back T.D.: MD 9511 TVD 4937	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT		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. (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	270		400		0	
12.250	9.625 J-55	40.0	0	1108		550		0	
8.750	7.000 L-80	29.0	0	4334		2250		0	
8.750	5.500 L-80	17.0	4334	9579					

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	4416							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	5175	9491	5175 TO 9491	0.430	684	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5175 TO 9491	ACIDIZE W/76,692 GALS 15% HCL. FRAC W/1,332,186 GALS SLICK WATER, 228,816 GALS TREATED WATER,
5175 TO 9491	2,135,258 GALS WATER FRAC, 1,585,271# 40/70 WHITE SAND, 391,197# 40/70 CRC, 1,129,538# 100 MESH.

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
12/15/2015	12/16/2015	24	→	400.0	158.0	998.0	39.3	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	400	158	998	395	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 #328240 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

DAVID R. GLASS

PETROLEUM ENGINEER

RECLAMATION DUE:  
JUN 13 2016

CP

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	233	444	ANHYDRITE	RUSTLER	233
SALADO	444	1070	SALT	TOP SALT	444
YATES	1070	1965	LIMESTONE & DOLOMITE	YATES	1070
QUEEN	1965	2369	SANDSTONE & DOLOMITE	QUEEN	1965
GRAYBURG	2369	2676	SANDSTONE & DOLOMITE	GRAYBURG	2369
SAN ANDRES	2676	4077	DOLOMITE & LIMESTONE	SAN ANDRES	2676
GLORIETA	4077	4670	SANDSTONE	GLORIETA	4077
GLORIETA YESO	4670	9599		BLINEBRY	4670

32. Additional remarks (include plugging procedure):  
Log Mailed.

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 #328240 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 (16JAS1551SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 01/11/2016

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 \*\***