OCD - Artesia

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM0397623

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 LLC
Contact: CHASITY JACKSON
E-Mail: cjackson@conchoresources.com

8. Lease Name and Well No.: FOLK FEDERAL 17

3. Address: 550 WEST TEXAS AVENUE SUITE 1300, MIDLAND, TX 79701
3a. Phone No. (include area code): Ph: 432-686-3087

9. API Well No.: 30-015-38172-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 17 T17S R29E Mer NMP, NWNE Lot B 430FNL 1590FEL
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory: EMPIRE GLORIETA-YESO, EAST KE

11. Sec., T., R., M., or Block and Survey or Area: Sec 17 T17S R29E Mer NMP

12. County or Parish: EDDY
13. State: NM

14. Date Spudded: 01/14/2011
15. Date T.D. Reached: 01/21/2011
16. Date Completed: ☐ D & A ☒ Ready to Prod. 02/16/2011
17. Elevations (DF, KB, RT, GL)*: 3614 GL

18. Total Depth: MD 5468, TVD 5468
19. Plug Back T.D.: MD 5412, TVD 5412
20. Depth Bridge Plug Set: MD, TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT

22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	350		1000		0	
11.000	8.625 J-55	24.0	0	872		400		0	
7.875	5.500 J-55	17.0	0	5458		900			

RECEIVED
JUL 15 2011
NMOCD ARTESIA

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	5139							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	PADDOCK	3965	4240	3965 TO 4240	0.410	26	OPEN, Paddock
B)	BLINEBRY	5000	5200	4460 TO 4660	0.410	26	OPEN, Upper Blinebry
C)				4730 TO 4930	0.410	26	OPEN, Middle Blinebry
D)				5000 TO 5200	0.410	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
3965 TO 4240	ACIDIZE W/3,780 GALS 15% ACID.
3965 TO 4240	FRAC W/110,268 GALS GEL, 107,129# 16/30 WHITE SAND, 21,776# 16/30 SIBERPROP.
4460 TO 4660	ACIDIZE W/3,714 GALS 15% ACID
4460 TO 4660	FRAC W/123,946 GALS GEL, 143,662# 16/30 WHITE SAND, 29,324# 16/30 SIBERPROP.

ACCEPTED FOR RECORD
JUN 26 2011
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
02/20/2011	03/24/2011	24	→	203 0	181 0	466.0	40.2		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
	70 0		→	203	181	466		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 #111273 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
GLORIETA	3843		DOLOMITE & SAND	YATES	3843
TUBB	5310		SAND	QUEEN	5310

32. Additional remarks (include plugging procedure):
44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED...
4730-4930 ACIDIZE W/3,000 GALS 15% ACID.
4730-4930 FRAC W/123,628 GALS GEL, 145,847# 16/30 WHITE SAND, 30,662# 16/30 SIBERPROP.

5000-5200 ACIDIZE W/3,587 GALS 15% ACID.
5000-5200 FRAC W/124,947 GALS GEL, 145,558# 16/30 WHITE SAND, 31,370# 16/30 SIBERPROP.

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 #111273 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 06/23/2011 (11KMS1928SE)

Name *(please print)* CHASITY JACKSON Title PREPARER

Signature (Electronic Submission) Date 06/23/2011

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 fradulent statements or representations as to any matter within its jurisdiction.

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