

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM0397623	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No FOLK FEDERAL 12	
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701		9. API Well No 30-015-36864	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Lot D 1160FNL 990FWL At top prod interval reported below Lot D 1160FNL 990FWL At total depth Lot E 1634FNL 980FEL		10. Field and Pool, or Exploratory EMPIRE, GLORIETA YESO, East	
14. Date Spudded 08/13/2009		15. Date T.D. Reached 08/21/2009	
18. Total Depth MD 5421 TVD 5389		19. Plug Back T.D.: MD 5378 TVD 5378	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	311		950		0	0
11.000	8.625 J55	24.0	0	841		400		0	0
7.875	5.500 J55	17.0	0	5421		1000		0	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	4975							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3975	4164	3975 TO 4164	0.410	29	OPEN
B) BLINEBRY	4450	4650	4450 TO 4650	0.410	26	OPEN
C) BLINEBRY	4720	4920	4720 TO 4920	0.410	26	OPEN
D) BLINEBRY	4990	5190	4990 TO 5190	0.410	29	OPEN

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

Depth Interval	Amount and Type of Material
3975 TO 4164	ACIDIZE W/ 3,000 GALS 15% ACID
3975 TO 4164	FRAC W/115,573 GALS GEL, 137,567# 16/30 BASF, 31,594# 16/30 CRC.
4450 TO 4650	ACIDIZE W/3,500 GALS 15% ACID
4450 TO 4650	FRAC W/114,650 GALS GEL, 143,670# 16/30 BASF, 23,369# 16/30 CRC.

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
09/18/2009	09/28/2009	24	→	66.0	92.0	1280.0	38.6	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	
	70	70.0	→						

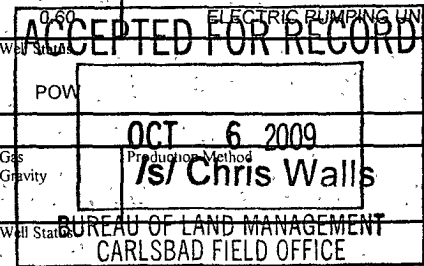
28a. Production - Interval B

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 #75059 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



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
YATES	855		DOLOMITE & SAND	DOLOMITE & SAND	855
QUEEN	1702		SAND	SAND	1702
SAN ANDRES	2431		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	2431
GLORIETA	3871		SAND & DOLOMITE	SAND & DOLOMITE	3871
YESO	3929		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3929

32. Additional remarks (include plugging procedure).

Acid, Fracture, Treatment, Cement Squeeze etc. continued...

4720-4920 ACIDIZE W/3,500 GALS 15% ACID.

4720-4920 FRAC W/ 115,198 GALS GEL, 148,498# 16/30 BASF, 30,775# 16/30 CRC.

4990-5190 ACIDIZE W/2,500 GALS 15% ACID

4990-5190 FRAC W/ 106,987 GALS GEL, 149,213# 16/30 BASF, 36,089# 16/30 CRC.

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 #75059 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 10/01/2009

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

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