

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

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CARRILLO**
E-Mail: **kcarrillo@conchoresources.com**

3. Address **550 WEST TEXAS AVENUE SUITE 100** 3a. Phone No. (include area code)
MIDLAND, TX 79701-4287 Ph: **432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 17 T17S R29E Mer NMP
At surface **Lot K 1500FSL 2310FWL**
At top prod interval reported below
At total depth

5. Lease Serial No.
NMNM0397623

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
FOLK FEDERAL 38

9. API Well No.
30-015-37516-00-S1

10. Field and Pool, or Exploratory
EMPIRE; BLOR-YE40, EAST

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
07/28/2010

15. Date T.D. Reached
08/05/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/02/2010

17. Elevations (DF, KB, RT, GL)*
3619 GL

18. Total Depth: MD **5070** TVD **5070**

19. Plug Back T.D.: MD **4999** TVD **4999**

20. Depth Bridge Plug Set: MD **MD** TVD **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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	237		810		0	0
11.000	8.625 J55	24.0	0	875		600		0	0
7.875	5.500 J55	17.0	0	5056		900		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	4930	4713						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3920	4120	3920 TO 4120	0.410	26	OPEN
B) BLINEBRY	4730	4930	3920 TO 4120		26	open
C)			4190 TO 4390	0.410	26	OPEN
D)			4190 TO 4390		26	open

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

Depth Interval	Amount and Type of Material
3920 TO 4120	gal acid
3920 TO 4120	gal gel, 102577# 16/30 Ottawa sand, 11638# siberprop sand.
3920 TO 4120	ACIDIZE W/3,000 GALS 15% ACID.
3920 TO 4120	FRAC W/97,854 GALS GEL, 102,577# 16/30 OTTAWA SAND, 11,638# SIBERPROP SAND.

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
09/20/2010	09/25/2010	24	→	158.0	157.0	658.0	37.3	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	158	157	658		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. SI	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 #93646 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECEIVED

OCT 19 2010

NMOCD ARTESIA

ACCEPTED FOR RECORD

OCT 17 2010

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	852		DOLOMITE & SAND	YATES	852
QUEEN	1697		SAND	QUEEN	1697
SAN ANDRES	2391		DOLOMITE & ANHYDRITE	SAN ANDRES	2391
GLORIETA	3834		SAND & DOLOMITE	GLORIETA	3834
YESO	3901		DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):

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

4460 - 4660 ACIDIZE W/3,500 GALS 15% ACID.

4460 - 4660 Frac w/ 114,785 gals gel, 145,006# 16/30 Ottawa sand, 33,574# Siberprop sand.

4730 - 4930 ACIDIZE W/3,500 GALS 15% ACID.

4730 - 4930 FRAC W/113,746 gals gel, 143,282# 16/30 Ottawa sand, 34,601# Siberprop sand.

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 #93646 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 09/29/2010 (10KMS2384SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/29/2010

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 ****

Additional data for transaction #93646 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
4460 TO 4660		26	open
4460 TO 4660	0.410	26	OPEN
4730 TO 4930		26	open
4730 TO 4930	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4190 TO 4390	gal acid
4190 TO 4390	gal gel, 141764# 16/30 Ottawa sand, 25227# 16/30 siberprop sand
4190 TO 4390	FRAC W/ 112,648 GALS GEL, 141,764# 16/30 OTTAWA SAND, 25,227# SIBERPROP SAND.
4190 TO 4390	ACIDIZE W/3,500 GALS 15% ACID.
4460 TO 4660	gal gel, 145006# 16/30 Ottawa sand, 33574# 16/30 siberprop sand
4460 TO 4660	gal acid
4730 TO 4930	gal gel, 143282# 16/30 Ottawa sand, 34601# 16/30 siberprop sand
4730 TO 4930	gal acid