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Form 3160-4  
(August 2007)

OCT 21 2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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 AVE STE 1300**  
**MIDLAND, TX 79701** 3a. Phone No. (include area code)  
Ph: **432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **Lot A 2260FNL 990FWL**  
At top prod interval reported below **Lot A 2260FNL 990FWL**  
At total depth **Lot A 2260FNL 990FWL**

5. Lease Serial No.  
**NMLC029509A**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No

8. Lease Name and Well No.  
**M C FEDERAL 24** **302519**

9. API Well No.  
**30-025-38717**

10. Field and Pool, or Exploratory  
**MALAJAMAR** **YESO**

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 21 T17S R32E Mer**

12. County or Parish  
**LEA**

13. State  
**NM**

14. Date Spudded  
**07/18/2008**

15. Date T.D. Reached  
**08/03/2008**

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
**09/05/2008**

17. Elevations (DF, KB, RT, GL)\*  
**4043 GL**

18. Total Depth: **MD 7042**  
**TVD**

19. Plug Back T.D.: **MD 6590**  
**TVD**

20. Depth Bridge Plug Set: **MD**  
**TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**COMPENSATED NEUTRON CCL**

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 H40	48.0		811		800		0	160
11.000	8.625 J55	32.0		2293		700		0	120
7.875	5.500 L80	20.0		7027		1100		0	145

## 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	5984							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6070	6270	6070 TO 6270	0.410	36	OPEN
B) YESO	6350	6550	6350 TO 6550	0.410	36	OPEN
C) YESO	6620	6820	6620 TO 6820	0.410	48	OPEN
D)						

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

Depth Interval	Amount and Type of Material
6070 TO 6270	ACIDIZE W/2,500 GALS ACID FRAC W/118,000 GALS GEL, 153,800# 16/30 SAND, 32,000# XPEDITE SAND.
6350 TO 6550	ACIDIZE W/2,500 GALS ACID. FRAC W/121,000 GALS GEL, 151,800# 16/30 SAND, 37,400# XPEDITE SAND.
6620 TO 6820	ACIDIZE W/2,500 GALS ACID. FRAC W/120,000 GALS GEL, 153,900# 16/30 SAND, 35,500# XPEDITE 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
09/08/2008	09/08/2008	24	→	115.0	53.0	501.0	38.5		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	
			→					POV	

## 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 #63438 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

OCT 16 2008

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 7 RIVERS QUEEN SAN ANDRES YESO	2121 2477 3085 3844 5401				

32. Additional remarks (include plugging procedure):  
Logs will be 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 #63438 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs

Name (please print) KANICIA CARRILLOTitle PREPARERSignature (Electronic Submission)Date 09/29/2008

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***