

Form 3160-4
(August 2007)
ECUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**RECEIVED**
OCD Hobbs
MAY 05 2010
NOB 000000FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**5. Lease Serial No.
NMLC029509A

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. MC FEDERAL 15	
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		9. API Well No. 30-025-38835	
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701		10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST	
3a. Phone No. (include area code) Ph: 432-685-4332		11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot D 430FNL 600FWL 32.82610 N Lat, 103.77758 W Lon At top prod interval reported below Lot D 430FNL 600FWL 32.82610 N Lat, 103.77758 W Lon At total depth Lot D 281FNL 380FWL		12. County or Parish LEA	
14. Date Spudded 02/14/2010		13. State NM	
15. Date T.D. Reached 02/26/2010		17. Elevations (DF, KB, RT, GL)* 4054 GL	
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/22/2010			
18. Total Depth: MD 7055 TVD 7055		19. Plug Back T.D.: MD 6891 TVD 6891	
20. Depth Bridge Plug Set: MD TVD			
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 Lincr 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	826		700		0	0
11.000	8.625 J55	32.0	0	2098		600		0	0
7.875	5.500 L80	17.0	0	7055		1300		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	6587							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5469	5610	5469 TO 5610	0.410	21	OPEN
B) BLINEBRY	6060	6260	6060 TO 6260	0.410	26	OPEN
C) BLINEBRY	6330	6530	6330 TO 6530	0.410	26	OPEN
D) BLINEBRY	6600	6800	6600 TO 6800	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
5469 TO 5610	ACIDIZE W/2,300 GALS 15% ACID.
5469 TO 5610	FRAC W/101,473 GALS GEL, 99,012# 16/30 WHITE SAND, 19,461# 16/30 CRC SAND.
6060 TO 6260	ACIDIZE W/3,500 GALS 15% ACID.
6060 TO 6260	FRAC W/ 116,631 GALS GEL, 149,835# 16/30 WHITE SAND, 30,261# 16/30 CRC 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
03/24/2010	03/26/2010	24	→	190.0	354.0	384.0	38.0	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	→					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 #85440 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
/s/ Roger Hall
APR 30 2010
Petroleum Engineer
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	2155		DOLOMITE & SAND	DOLOMITE & SAND	2155
QUEEN	3133		SAND	SAND	3133
SAN ANDRES	3915		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3915
GLORIETA	5401		SAND & DOLOMITE	SAND & DOLOMITE	5401
YESO	5458		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	5458
TUBB	6922				

32. Additional remarks (include plugging procedure):

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

6330 - 6350 ACIDIZE W/3,500 GALS 15% ACID.

6330 - 6350 Frac w/ 118,156 gals gel, 148,115# 16/30 White sand, 35,983# 16/30 CRC sand.

6600 - 6800 ACIDIZE W/3,500 GALS 15% ACID.

6600 - 6800 FRAC W/117,495 gals gel, 148,755# 16/30 White sand, 33,845# 16/30 CRC 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 #85440 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 04/27/2010

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.

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