

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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JAN 05 2011

HOBBSOCD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMLC029509A		
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			7. Unit or CA Agreement Name and No.		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			8. Lease Name and Well No. MC FEDERAL 45		
3a. Phone No. (include area code) Ph: 432-685-4332			9. API Well No. 30-025-39619-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE Lot A 135FNL 330FEL At top prod interval reported below NENE Lot A 135FNL 330FEL At total depth NENE Lot A 135FNL 330FEL			10. Field and Pool, or Exploratory MALJAMAR		
14. Date Spudded 10/11/2010			11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer NMP		
15. Date T.D. Reached 10/19/2010			12. County or Parish LEA		
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/17/2010			13. State NM		
17. Elevations (DF, KB, RT, GL)* 4012 GL					
18. Total Depth: MD 7010 TVD 7010			19. Plug Back T.D.: MD 6933 TVD 6933		
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	874		700		0	
11.000	8.625 J-55	32.0	0	2131		600		0	
7.875	5.500 L-80	17.0	0	7010		1150		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	6792							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5445 TO 5645	0.000	26	OPEN, Paddock
B) PADDOCK	5445	5645	6051 TO 6251	0.000	26	OPEN, Blinebry
C) BLINEBRY	6591	6791	6321 TO 6521	0.000	52	OPEN, Blinebry
D)			6591 TO 6791	0.000	26	OPEN, Blinebry

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

Depth Interval	Amount and Type of Material
5445 TO 5645	FRAC W/ 110,000 GALS GEL, 114,458# 16/30 OTTAWA SAND, 17,472# 16/30 SIBERPROP.
5445 TO 5645	ACIDIZED W/ 3,000 GALS 15% ACID.
6051 TO 6251	FRAC W/ 125,000 GALS GEL, 148,632# 16/30 WHITE SAND, 29,829# 16/30 SIBERPROP.
6051 TO 6251	ACIDIZED W/ 2,500 GALS 15% ACID.

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
11/18/2010	11/22/2010	24	→	276.0	426.0	800.0	39.6		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	
			→	276	426	800	1543	POW	JAN 2 2011

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
11/18/2010	11/22/2010	24	→	276.0	426.0	800.0	39.6	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	
			→	276	426	800		POW	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #99709 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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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.)
CAPTURED

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 QUEEN SAN ANDRES TUBB ABO WOLFCAMP	2141 3096 3861 5368 5436 6890		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):

44. Acid, Fracture, reatment, Cement, Squeeze, etc. continued...

6321 - 6521 Acidize w/ 2,500 gals 15% acid.

6321 - 6521 Frac w/ 126,000 gals gel, 148,697# 16/30 White sand, 29,321# 16/30 Siberprop.

6591 - 6791 Acidize w/ 2,500 gals 15% acid.

6591 - 6791 Frac w/ 123,921 gals gel, 148,395# 16/30 Ottawa sand, 31,230# 16/30 Siberprop.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (I 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 #99709 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by CHERYLE RYAN on 12/29/2010 (11CMR0060SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 12/28/2010

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 #99709 that would not fit on the form

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

Depth Interval	Amount and Type of Material
6321 TO 6521	FRAC W/126000 GAL GEL, 148697# 16/30 WHITE SAND, 29321# 16/30 SIBERPROP
6321 TO 6521	ACIDIZE W/2500 GAL 15% ACID
6591 TO 6791	ACIDIZE W/2500 GAL 15% ACID
6591 TO 6791	FRAC W/ 123921 GAL GEL, 148395# 16/30 OTTAWA SAND, 31230# 16/30 SIBERPROP