

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

MAY 25 2011

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
RECEIVED5. Lease Serial No.  
NMLC029509A

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> 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 55	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287		9. API Well No. 30-025-39875-00-S1	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 21 T17S R32E Mer NMP SENE 1810FNL 1140FEL At top prod interval reported below Sec 21 T17S R32E Mer NMP At total depth SENE 2310FNL 990FEL		10. Field and Pool, or Exploratory MALJAMAR	
14. Date Spudded 03/21/2011		15. Date T.D. Reached 03/31/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/24/2011		17. Elevations (DF, KB, RT, GL)* 4033 GL	
18. Total Depth. MD 7138 TVD 7110		19. Plug Back T.D. MD 7050 TVD 7022	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	858		650		0	
11.000	8.625 J-55	32.0	0	2132		600		0	
7.875	5.500 L-80	17.0	0	7128		1100		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	6765							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) PADDOCK	5496	5600	5496 TO 5600	1.000	26	OPEN, Paddock
B) BLINEBRY	6670	6870	6130 TO 6330	1.000	26	OPEN, Upper-Blinebry
C)			6400 TO 6600	1.000	26	OPEN, Middle-Blinebry
D)			6670 TO 6870	1.000	26	OPEN, Lower-Blinebry

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

Depth Interval	Amount and Type of Material
5496 TO 5600	ACIDIZED W/3000 GALS 15% HCL
5496 TO 5600	FRAC W/115,847 GALS GEL, 133,818# 16/30 WHITE SAND, 18,474# 16/30 SIBERPROP
6130 TO 6330	ACIDIZE W/4100 GALS 15% HCL
6130 TO 6330	FRAC W/131,149 GALS GEL, 149,869# 16/30 WHITE SAND, 34,470# 16/30 SIBERPROP

## 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
04/24/2011	04/26/2011	24	→	333.0	451.0	387.0	39.0	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	→	333	451	387		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 #108011 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.)  
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	2151		DOLOMITE & SAND	YATES	2151
SAN ANDRES	3862		DOLOMITE & ANHYDRITE	SAN ANDRES	3862
GLORIETTA	5380		SAND & DOLOMITE	GLORIETTA	5380
YESO	5492		DOLOMITE & ANHYDRITE	YESO	5492
TUBB	6936			TUBB	6936

32. Additional remarks (include plugging procedure):

44. Acid, Fracture, Treatment, Cement Squeeze, etc. CONTINUED...

6400 - 6600 Acidized w/3500 gals 15% HCL  
6400 - 6600 Frac w/114,850 gals gel, 161,897# 16/30 White sand,  
31,670# 16/30 SiberProp

6670 - 6870 Acidized w/3500 gals 15% HCL

## 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 #108011 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 05/12/2011 (11KMS0690SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/11/2011

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 \*\* REVISED \*\***

**Additional data for transaction #108011 that would not fit on the form**

**32. Additional remarks, continued**

6670 - 6870 Frac w/101,796 gals gel, 87,415# 16/30 White sand,  
31,538# 16/30 SiberProp

LOGS WILL BE MAILED