

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

5 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 4	
3. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701-4287		9. API Well No. 30-025-34933-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 21 T17S R32E Mer NMP At surface NWSW 2310FSL 330FWL 32.819198 N Lat, 103.778993 W Lon At top prod interval reported below At total depth <b>L-21-17S-32E, 2289/5 &amp; 350/W</b>		10. Field and Pool, or Exploratory MALJAMAR	
14. Date Spudded 05/10/2011		15. Date T.D. Reached 05/13/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/08/2011		17. Elevations (DF, KB, RT, GL)* 4030 KB	
18. Total Depth: MD 7044 TVD 7044		19. Plug Back T.D.: MD 7000 TVD 7000	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) / DLL DUALSPACEDNEUTR	
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 checked="" type="checkbox"/> No <input 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	13.370 H-40	48.0	0	308		325		0	
11.000	8 625 J55	32.0	0	2202		750		0	
7.875	5.500 J-55	17.0	0	5982		1030		0	
6.125	4.000 L80	11.6	0	7030	5744	130		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	5507		2.875	5721				

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) PADDOCK	5357	5473	5357 TO 5473	1.000	23	squeezed w/ 600 sx cmt
B) BLINEBRY	6650	6850	6050 TO 6250	1.000	24	OPEN, Upper Blinebry
C)			6350 TO 6550	1 000	24	OPEN, Middle Blinebry
D)			6650 TO 6850	1 000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
6050 TO 6250	gal 15% HCL acid
6050 TO 6250	gal gel, 149912# 16/30 White Sand, 30151# 16/30 Siberprop
6350 TO 6550	gal 15% HCL acid
6350 TO 6550	gal gel, 148189# 16/30 White Sand, 30042# 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
06/08/2011	06/16/2000	24	→	33.0	27.4	210.0	38.0		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	
			→	33	27	210	818	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
06/08/2011	06/23/2011	24	→	90.0	39.0	78.0	37.8	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	→	90	39	78		POW	

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

ELECTRONIC SUBMISSION #112109 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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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	2098	5473	DOLOMITE & SAND	YATES	2098
QUEEN	3062		SAND	QUEEN	3062
SAN ANDRES	3824		DOLOMITE & ANHYDRITE	SAN ANDRES	3824
GLORIETTA	5332		SAND & DOLOMITE	GLORIETTA	5332
PADDOCK	5357		DOLOMITE & ANHYDRITE	PADDOCK	5390
YESO	5390			YESO	5390
TUBB	6896			TUBB	6896

## 32. Additional remarks (include plugging procedure):

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

6650 - 6850 Acidize Lower Blinbry w/ 3718 gals 15% HCL acid  
 6650 - 6850 Frac w/ 126,119 gals gel, 148,189# 16/30 White sand,  
 30,042# 16/30 SiberProp

## 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 #112109 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 07/05/2011 (11KMS0866SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 07/01/2011

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.

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**Additional data for transaction #112109 that would not fit on the form**

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

Depth Interval	Amount and Type of Material
6650 TO 6850	gal 15% HCL acid
6650 TO 6850	gal gel, 148189# 16/30 White Sand, 30042# 16/30 Siberprop

**32. Additional remarks, continued**

LOGS WILL BE MAILED