

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 15 2011

OCD - Hobbs

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC029509A		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			Contact: NETHA AARON E-Mail: oaaron@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			3a. Phone No. (include area code) Ph: 432-818-2319		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 21 T17S R32E Mer NMP SENE 1770FNL 100FEL At top prod interval reported below Sec 21 T17S R32E Mer NMP At total depth SENE 1665FNL 344FEL			8. Lease Name and Well No. MC FEDERAL 51		
14. Date Spudded 02/07/2011			15. Date T.D. Reached 02/18/2011		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/11/2011			9. API Well No. 30-025-39874-00-S1		
18. Total Depth: MD 7035 TVD 7025			19. Plug Back T.D.: MD 6955 TVD 6945		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory MALJAMAR: Yes, W		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT			11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer NMP		
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)			12. County or Parish LEA		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 4011 GL			16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/11/2011		

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	853		650		0	
11.000	8.625 J-55	32.0	0	2148		600		0	
7.875	5.500 L-80	117.0	0	7025		1100		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6652							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5454	5610	5454 TO 5610	1.000	26	OPEN, Paddock
B) BLINEBRY	6550	6750	6010 TO 6210	1.000	26	OPEN, Upper Blinebry
C)			6280 TO 6480	1.000	26	OPEN, Middle Blinebry
D)			6550 TO 6750	1.000	26	OPEN, Lower Blinebry

Depth Interval	Amount and Type of Material
5454 TO 5610	FRAC W/92,409 GALS GEL, 103,873# 16/30 OTTAWA SAND, 17,062# 16/30 SIBER PROP
5454 TO 5610	ACIDIZED W/3000 GALS 15% HCL
6010 TO 6210	ACIDIZED W/2500 GALS 15% HCL
6010 TO 6210	FRAC W/135,091 GALS GEL, 186,737# 16/30 OTTAWA SAND, 44,708# 16/30 SIBER PROP

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/16/2011	03/17/2011	24	→	196.0	376.0	191.0	40.3	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	
		70.0	→	196	376	191		POWER	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						APR 3 2011
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 #105115 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

APR 26 2011

## 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 SAN ANDRES GLORIETTA YESO TUBB	2128 3822 5342 5451 6864		DOLOMITE & SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE	YATES SAN ANDRES GLORIETTA YESO TUBB	2128 3822 5342 5451 6864

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

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

6280 - 6480 Acidized w/2500 gals 15% HCL.

6280 - 6480 Frac w/133,231 gals gel, 182,514# 16/30 Ottawa sand, 44,962# 16/30 Siber Prop

6550 - 6750 Acidized w/2500 gals 15% HCL.

6550 - 6750 Frac w/70,634 gals gel, 63,385# 16/30 Ottawa sand, 2005# 16/30

## 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. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #105115 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 03/30/2011 (11KMS0529SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 03/24/2011

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 \*\***

**Additional data for transaction #105115 that would not fit on the form**

**32. Additional remarks, continued**

Siber Prop

LOGS WILL BE MAILED