

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

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 NMLC029020L		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" 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			3a Phone No (include area code) Ph: 432-818-2319		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 15 T17S R30E Mer NMP At surface NWSE 2100FSL 1650FEL At top prod interval reported below At total depth			8 Lease Name and Well No SHAWNEE FEDERAL 2		
14 Date Spudded 03/03/2000			15 Date T.D. Reached 09/22/2011		
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 10/18/2011			9. API Well No. 30-015-30980-00-S1		
18. Total Depth MD 6126 TVD 6126			19 Plug Back T.D.: MD 6069 TVD 6069		
20 Depth Bridge Plug Set MD TVD			10. Field and Pool or Exploratory MAR LOCO HILLS <i>Grapieta Yeso</i>		
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL/FDC DLL DUALSPACEDNEUTR			11. Sec., T., R., M., or Block and Survey or Area Sec 15 T17S R30E 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 EDDY		
23 Casing and Liner Record (Report all strings set in well)			13 State NM		
17. Elevations (DF, KB, RT, GL)* 3709 KB			16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 10/18/2011		

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 K-55	48.0	0	375		425		0	
12.250	8.625 J-55	24.0	0	1220		675		0	
7.875	5.500 J-55	17.0	0	4979		795			
6.125	4.000 L80	11.6	4868	6115	4868	120			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4832							

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO	5130	5930	4458 TO 4850	0.410	84	CLOSED, Squeezed 9/14/11
B)			5130 TO 5330	1.000	24	OPEN, Upper Blinbry
C)			5430 TO 5630	1.000	26	OPEN, Middle Blinbry
D)			5730 TO 5930	2.000	48	OPEN, Lower Blinbry

Depth Interval	Amount and Type of Material
4458 TO 4849	2500 GAL 15% NEFE, 32000 GAL 20% NE, 54000 GAL 40#
4458 TO 4849	121044 gal 30# linear gel, 117283# 16/30 Ottawa sand, 13690# siber prop
5130 TO 5330	ACIDIZE W/3100 GALS 15% HCL ACID
5130 TO 5330	FRAC W/136,204 GALS GEL, 165,638# 16/30 WHITE SAND, 39,150# 16/30 CRC

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
10/20/2011	10/21/2011	24	→	11.0	4.0	66.0	36.8	0.60	POW
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	→	11	4	66		POW	

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 #121404 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record  
DEC 02 2011  
NMOCDTAS  
dm

## 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
SALADO	1174	4842	SALT DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE	SALADO	1174
YATES	1276			YATES	1276
SAN ANDRES	2916			QUEEN	2193
GLORIETA	4384			SAN ANDRES	2916
PADDOCK	4449			GLORIETA	4384
YESO	4479			YESO	4479

## 32 Additional remarks (include plugging procedure)

44. Acid, Fracture, Treatment, Cement Squeeze, etc cont'd....

5730 - 5930 Acidized w/3500 gals 15% HCL acid

5730 - 5930 Frac'd w/125,532 gals gel, 147,129# 16/30 White sand, 30,472# CRC

## 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 #121404 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 10/31/2011 (12DLM0146SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 10/26/2011

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 #121404 that would not fit on the form**

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

Depth Interval	Amount and Type of Material
5430 TO 5630	FRAC W/126,339 GALS GEL, 149,960# 16/30 WHITE SAND, 29,849# 16/30 CRC
5430 TO 5630	ACIDIZE W/3100 GALS 15% HCL ACID

**32. Additional remarks, continued**

LOGS WILL BE MAILED