

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED  
OCT 30 2009  
HOBBS  
HOBBSOCDFORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

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		7. Unit or CA Agreement Name and No.	
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		8. Lease Name and Well No MC FEDERAL 32	
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701		9. API Well No. 30-025-39000-00-X1	
3a. Phone No. (include area code) Ph. 432-685-4332		10. Field and Pool, or Exploratory MALJAMAR ; Yes, West -	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 21 T17S R32E Mer NMP At surface NESW 1900FSL 2560FWL 32.81798 N Lat, 103.77119 W Lon At top prod interval reported below Sec 21 T17S R32E Mer NMP At total depth NESW 1650FSL 2210FWL 32.81730 N Lat, 103.77200 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer NMP	
12. County or Parish LEA		13. State NM	
14. Date Spudded 08/04/2009		15. Date T.D. Reached 08/29/2009	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 09/23/2009		17. Elevations (DF, KB, RT, GL)* 4042 GL	
18. Total Depth: MD 7042 TVD 7042		19. Plug Back T.D.: MD 6952 TVD 6952	
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 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	13.375 H40	48.0	0	856		700		0	0
17.500	13.375 H-40	48.0	0	856		700		0	
11.000	8.625 J-55	32.0	0	2122		700		0	
11.000	8.625 J55	32.0	0	2122		700		0	0
7.875	5.500 L80	17.0	0	7042		1150		0	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	6547							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) YESO			5454 TO 5560	0.000	30	OPEN
B) PADDOCK	5454	5560	6020 TO 6220	0.000	26	OPEN
C) BLINEBRY	6560	6760	6290 TO 6490	0.000	26	OPEN
D)			6560 TO 6760	0.000	29	OPEN

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

Depth Interval	Amount and Type of Material
5454 TO 5560	ACIDIZE W/3,000 GALS 15% ACID
5454 TO 5560	FRAC W/114,000 GALS GEL, 109,496# 16/30 BASF SAND, 34,424# 16/30 SIBERPROP
6020 TO 6220	ACIDIZE W/2,500 GALS 15% ACID
6020 TO 6220	FRAC W/ 110,000 GALS GEL, 147,440# 16/30 BASF SAND, 18,103# 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
09/28/2009	09/30/2009	24	→	342.0	593.0	710.0	40.0	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	→	342	593	710		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 #75745 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD  
OCT 27 2009  
Is/ Myles Kristof  
BUREAU OF LAND MANAGEMENT  
CARRILLO OFFICE

## 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	2144		DOLOMITE & SAND		
QUEEN	3117		SAND		
SAN ANDRES	3901		DOLOMITE & ANHYDRITE		
GLORIETTA	5382		SAND & DOLOMITE		
YESO	5500		DOLOMITE & ANHYDRITE		
TUBB	6951		SAND		

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

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

6290-6490 ACIDIZE W/2,500 GALS 15% ACID.

6290-6490 FRAC W/ 117,000 GALS GEL, 141,766# 16/30 BASF SAND, 37,710# 16/30 SIBERPROP.

6560-6760 ACIDIZE W/2,500 GALS 15% ACID.

6560-6760 FRAC W/109,000 GALS GEL, 139,968# 16/30 BASF SAND, 36,040# 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 #75745 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by KURT SIMMONS on 10/16/2009 (10KMS0066SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 10/15/2009

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 \*\***