

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0397623

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			Contact: CHASITY JACKSON E-Mail: cjackson@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-686-3087		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 17 T17S R29E Mer NMP At surface NWNE Lot G 2295FNL 2310FEL At top prod interval reported below At total depth			8. Lease Name and Well No. FOLK FEDERAL 31		
9. API Well No. 30-015-37825-00-S1			10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO, East		
11. Sec., T., R., M., or Block and Survey or Area Sec 17 T17S R29E Mer NMP			12. County or Parish EDDY		
13. State NM			14. Date Spudded 11/22/2010		
15. Date T.D. Reached 11/29/2010			16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/29/2010		
17. Elevations (DF, KB, RT, GL)* 3627 GL			18. Total Depth: MD 5478 TVD 5478		
19. Plug Back T.D.: MD 5426 TVD 5426			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT			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 H-40	48.0	0	339		400		0	
11.000	8.625 J-55	24.0	0	860		400		0	
7.875	5.500 J-55	17.0	0	5468		900		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	5014							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			3970 TO 4245	0.410	26	OPEN
B) PADDOCK	3970	4245	4480 TO 4680	0.410	26	OPEN
C) BLINEBRY	5020	5220	4750 TO 4950	0.410	26	OPEN
D)			5020 TO 5220	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
3970 TO 4245	ACIDIZE W/3,000 GALS 15% ACID.
3970 TO 4245	FRAC W/108,108 GALS GEL, 119,362# 16/30 TEXAS GOLD, 16,638# 20/40 SLC.
4480 TO 4680	ACIDIZE W/3,500 GALS 15% ACID.
4480 TO 4680	FRAC W/122,304 GALS GEL, 145,512# 16/30 TEXAS GOLD, 29,642# 20/40 SLC.

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
01/06/2011	01/10/2011	24	→	237.0	355.0	710.0	39.9		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	→	237	355	710	1498	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
01/06/2011	01/10/2011	24	→	237.0	355.0	710.0	39.9		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	→	237	355	710		POW	

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

ELECTRONIC SUBMISSION #100755 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

oCD - Artesia

RECEIVED  
FEB 04 2011

JAN 29 2011

BUREAU OF LAND MANAGEMENT

UNRECORDED FIELD OFFICE

W2

## 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.)  
CAPTURED

## 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	877		DOLOMITE & SAND	YATES	877
QUEEN	1724		SAND	QUEEN	1724
SAN ANDRES	2430		DOLOMITE & ANHYDRITE	SAN ANDRES	2430
GLORIETA	3854		DOLOMITE & SAND		
YESO	3933		DOLOMITE & ANHYDRITE		
TUBB	5343		SAND		

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

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED...

4750-4950 ACIDIZE W/3,500 GALS 15% ACID.

4750-4950 FRAC W/131,040 GALS GEL, 151,603# 16/30 TEXAS GOLD, 30,164# 20/40 SLC.

5020-5220 ACIDIZE W/3,500 GALS 15% ACID.

5020-5220 FRAC W/131,502 GALS GEL, 120,092# 16/30 TEXAS GOLD, 30,030# 20/40 SLC.

## 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 #100755 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 01/18/2011 (11KMS0605SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 01/18/2011

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 #100755 that would not fit on the form**

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

<b>Depth Interval</b>	<b>Amount and Type of Material</b>
4750 TO 4950	gal 15% acid
4750 TO 4950	gal gel, 151603# 16/30 texas gold, 30164# 20/40 SLC
5020 TO 5220	gal 15% acid
5020 TO 5220	gal gel, 120092# 16/30 texas gold, 30030# 20/40 SLC