

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 06 2011

NMOCD ARTESIA

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			8. Lease Name and Well No FOLK FEDERAL 34		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701			9. API Well No. 30-015-39276-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot H 1740FNL 990FEL 32.836925 N Lat, 104.091101 W Lon At top prod interval reported below Lot H 1740FNL 990FEL 32.836925 N Lat, 104.091101 W Lon At total depth Lot H 1740FNL 990FEL 32.836925 N Lat, 104.091101 W Lon			10 Field and Pool, or Exploratory EMPIRE		
14. Date Spudded 09/21/2011			15. Date T.D Reached 09/28/2011		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/31/2011			17 Elevations (DF, KB, RT, GL)* 3601 GL		
18 Total Depth. MD 5510 TVD 5510			19 Plug Back T.D.: MD 5450 TVD 5450		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPNEUTRONHNGS CCL		
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	330		830		0	
11.000	8.625 J-55	24.0	0	876		500		0	
7.875	5.500 J-55	17.0	0	5501		900		0	

Accepted for record

NMOCD 10/28/2011

## 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	5097							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO	3930	5200	3930 TO 4180		26	Open, Paddock
B)			4330 TO 4580		26	Opeb, Upper Blinebry
C)			4640 TO 4890		26	Open, Middle Blinebry
D)			4950 TO 5200		26	Open, Lower Blinebry

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

Depth Interval	Amount and Type of Material
3930 TO 4180	gal gel, 143987# 16/30 Brown sand, 16442# 16/30 siberprop
3930 TO 4180	gal 15% HCL
4330 TO 4580	gal gel, 145012# 16/30 Brown sand, 30169# 16/30 Siberprop.
4330 TO 4580	gal 15% HCL

RECLAMATION

DUE 5-1-12

## 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
11/03/2011	11/12/2011	24	→	138.0	181 0	379 0	39 2	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	→	138	181	379		POW	

ACCEPTED FOR RECORD

## 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	
			→						

DEC 3 2011

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

ELECTRONIC SUBMISSION #124116 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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
RUSTLER	194		ANHYDRITE	RUSTLER	194
TANSILL	771		DOLOMITE	TANSILL	771
YATES	878		DOLOMITE & SAND	YATES	878
SAN ANDRES	2437		SAND	SAN ANDRES	2437
GLORIETA	3852		DOLOMITE & ANHYDRITE	GLORIETA	3852
YESO	3962		SAND & DOLOMITE	YESO	3962
TUBB	5346			TUBB	5346

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

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

4640 - 4890 Acidized w/3500 gals 15% HCL.  
4640 - 4890 Frac w/124,735 gals gel, 148,468# 16/30 Brown sand, 30,783# 16/30 SiberProp

4950 - 5200 Acidized w/4000 gals 15% HCL.  
4950 - 5200 Frac w/124,744 gals gel, 152,145# 16/30 Brown sand, 28,654# 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. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)

Electronic Submission #124116 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 11/30/2011 (12DLM0230SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 11/28/2011

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 #124116 that would not fit on the form**

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

Depth Interval	Amount and Type of Material
4640 TO 4890	gal 15% HCL
4640 TO 4890	gal gel, 148468# 16/30 Brown sand, 30783# 16/30 siberprop
4950 TO 5200	gal gel, 152145# 16/30 Brown sand, 28654# 16/30 siberprop
4950 TO 5200	gal 15% HCL

**32. Additional remarks, continued**

SiberProp

LOGS WILL BE MAILED