

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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		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. NMNM0397623	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. FOLK FEDERAL 21 ✓	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701		9. API Well No. 30-015-37824	
3a. Phone No. (include area code) Ph: 432-686-3087		10. Field and Pool, or Exploratory EMPIRE, GLORIETA-YESO, EAST	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot C 430FNL 1650FWL At top prod interval reported below Lot C 430FNL 1650FWL At total depth Lot C 430FNL 1650FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 17 T17S R29E Mer	
14. Date Spudded 12/16/2010		15. Date T.D. Reached 12/23/2010	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/17/2010		17. Elevations (DF, KB, RT, GL)* 3624 GL	
18. Total Depth: MD 5467 TVD 5467		19. Plug Back T.D.: MD 5370 TVD 5370	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON	
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0		321		950			
11.000	8.625 J55	24.0		858		400			
7.875	5.500 J55	17.0		5455		950			

## 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	4942							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3940	4215	3940 TO 4215	0.410	26	OPEN
B) BLINEBRY	4410	4610	4410 TO 4610	0.410	26	OPEN
C) BLINEBRY	4680	4880	4680 TO 4880	0.410	26	OPEN
D) BLINEBRY	4950	5150	4950 TO 5150	0.410	26	OPEN

## 26. Perforation Record

Depth Interval	Amount and Type of Material
3940 TO 4215	ACIDIZE W/2,940 GALS 15% ACID.
3940 TO 4215	FRAC W/92,776 GALS GEL, 100,249# 16/30 TEXAS GOLD, 17,826# 20/40 SLC.
4410 TO 4610	ACIDIZE W/3,592 GALS 15% ACID.
4410 TO 4610	FRAC W/117,358 GALS GEL, 147,632# 16/30 TEXAS GOLD, 29,397# 20/40 SLC.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/20/2011	01/26/2011	24	→	143.0	58.0	524.0	38.5		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	→					POV	

## 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 #102204 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

RECEIVED

FEB 22 2011

NMOCD ARTESIA

ACCEPTED FOR RECORD

FEB 14 2011

/s/ Dustin Winkler

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.)  
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	851		DOLOMITE & SAND	DOLOMITE & SAND	851
QUEEN	1681		SAND	SAND	1681
SAN ANDRES	2397		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	2397
GLORIETA	3829		DOLOMITE & SAND	DOLOMITE & SAND	3829
YESO	3886		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3886
TUBB	5285		SAND	SAND	5285

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

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

4680-4880 ACIDIZE W/3,508 GALS ACID.

4680-4880 FRAC W/114,258 GALS GEL, 149,130# 16/30 TEXAS GOLD, 32,354# 20/40 SLC.

4950-5150 ACIDIZE W/3,508 GALS ACID.

4950-5150 FRAC W/118,548 GALS GEL, 148,659# 16/30 TEXAS GOLD, 29,914# 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 #102204 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 02/08/2011

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***