

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

JUN 18 2010

HOBBS

FORM 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			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. GC FEDERAL 22		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No. 30-025-39268-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE Lot I 2310FSL 990FEL 32 81920 N Lat, 103.78331 W Lon At top prod interval reported below NESE Lot I 2310FSL 990FEL 32.81920 N Lat, 103.78331 W Lon At total depth NESE Lot I 2310FSL 990FEL 32.81920 N Lat, 103.78331 W Lon			10. Field and Pool, or Exploratory MALJAMAR, Yeso, West 11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R32E Mer NMP 12. County or Parish LEA 13. State NM		
14. Date Spudded 02/19/2010		15. Date T.D. Reached 03/03/2010		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/13/2010	
17. Elevations (DF, KB, RT, GL)* 4002 GL					
18. Total Depth: MD TVD 7015 7015		19. Plug Back T.D.: MD TVD 6955 6955		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	678		550		0	
17 500	13.375 H40	48.0	0	678		550		0	0
11.000	8.625 J55	32.0	0	2061		600		0	0
11.000	8.625 J-55	32.0	0	2061		600		0	
7.875	5 500 J-55	17.0	0	7000		1300		0	
7.875	5.500 L80	17.0	0	7000		1300		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	6479							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) YESO			5360 TO 5590	0.000	29	OPEN
B) PADDOCK	5360	5590	5970 TO 6170	0.000	26	OPEN
C) BLINEBRY	5970	6710	6240 TO 6440	0.000	26	OPEN
D)			6510 TO 6710	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5360 TO 5590	ACIDIZE W/2,500 GALS 15% ACID
5360 TO 5590	FRAC W/ 94,967 GALS GEL, 101,969# 16/30 OTTAWA SAND, 14,516# 16/30 SUPER LC
5970 TO 6170	ACIDIZE W/3,500 GALS 15% ACID
5970 TO 6170	FRAC W/ 112,696 GALS GEL, 146,499# 16/30 OTTAWA SAND, 29,722# 16/30 SUPER LC

## 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
05/19/2010	05/22/2010	24	→	99.0	346.0	571.0	36.7	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	70	70.0	→	99	346	571		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	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #87243 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

JUN 15 2010

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

PETROLEUM ENGINEER

JUN 22 2010

## 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 QUEEN SAN ANDRES GLORIETTA YESO TUBB	2070 3044 3790 5287 5353 6908		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

## 32 Additional remarks (include plugging procedure):

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

6240-6440 ACIDIZE W/3,500 GALS 15% ACID

6240-6440 FRAC W/ 115,362 GALS GEL, 147,056# 16/30 Ottawa Sand, 32,038# 16/30 Super LC.

6510-6710 ACIDIZE W/3,500 GALS 15% ACID.

6510-6710 FRAC W/119,823 GALS GEL, 148,247# 16/30 Ottawa sand, 27,127# 16/30 Super LC.

## 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 #87243 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by CHERYLE RYAN on 06/02/2010 (10CMR0178SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/01/2010

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 \*\*