

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 22 2010

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			5. Lease Serial No. NMLC029405B		
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			8. Lease Name and Well No. GC FEDERAL 18		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No. 30-025-39113-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T17S R32E Mer NMP At surface SWSE 480FSL 1650FEL 32.84490 N Lat, 103.97108 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory MALJAMAR-YESO		
14. Date Spudded 11/17/2009			15. Date T.D. Reached 11/26/2009		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 12/18/2009			17. Elevations (DF, KB, RT, GL)* 3924 GL		
18. Total Depth: MD 7050 TVD 7050			19. Plug Back T.D.: MD 6955 TVD 6955		
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)
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## 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	675		650		0	0
11.000	8.625 J55	32.0	0	2118		1050		0	0
7.875	5.500 L80	17.0	0	7033		1000		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	6429							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5290 TO 5424	0.000	18	OPEN
B) PADDOCK	5290	5424	5890 TO 6090	0.000	26	OPEN
C) BLINBRY	6470	6670	6200 TO 6400	0.000	26	OPEN
D)			6470 TO 6670	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5290 TO 5424	ACIDIZE W/4,000 GALS 15% ACID
5290 TO 5424	FRAC W/ 100,548 GALS GEL, 101,259# 16/30 WHITE SAND, 25,874# 16/30 SIBERPROP.
5890 TO 6090	ACIDIZE W/3,500 GALS 15% ACID
5890 TO 6090	FRAC W/ 113,300 GALS GEL, 146,861# 16/30 WHITE SAND, 24,360# 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
12/26/2009	12/26/2009	24	→	22.0	51.0	165.0	42.9		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	70.0	→	22	51	165	2318	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
12/26/2009	12/26/2009	24	→	22.0	51.0	165.0	42.9	0.60	
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	→	22	51	165		POW	

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

ELECTRONIC SUBMISSION #81032 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* 2010

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

FEB 21 2010

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
YATES	1968		DOLOMITE & SAND		
QUEEN	2949		SAND		
SAN ANDRES	3711		DOLOMITE & ANHYDRITE		
GLORIETTA	5226		SAND & DOLOMITE		
YESO	5285		DOLOMITE & ANHYDRITE		
TUBB	6802		SAND		

## 32 Additional remarks (include plugging procedure).

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

6200-6400 ACIDIZE W/3,500 GALS 15% ACID

6200-6400 FRAC W/ 114,941 GALS GEL, 146,436# 16/30 WHITE SAND, 27,542# 16/30 Siberprop.

6470-6670 ACIDIZE W/2,500 GALS 15% ACID

6470-6670 FRAC W/ 117,925 GALS GEL, 145,881# 16/30 WHITE SAND, 27,765# 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 #81032 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by KURT SIMMONS on 02/05/2010 (10KMS0232SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 02/03/2010

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 \*\***

**Additional data for transaction #81032 that would not fit on the form**

**32. Additional remarks, continued**