

RECEIVED OGD - Hobbs

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 15 2010

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

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. JC FEDERAL 38		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			9. API Well No. 30-025-39477-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 22 T17S R32E Mer NMP At surface NENE 330FNL 990FEL 32.82640 N Lat, 103.74895 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory MALJAMAR		
14. Date Spudded 08/03/2010			15. Date T.D. Reached 08/14/2010		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/17/2010			17. Elevations (DF, KB, RT, GL)* 4019 GL		
18. Total Depth: MD 7110 TVD 7110			19. Plug Back T.D.: MD 6981 TVD 6981		
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)					

## 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	835		700		0	
11.000	8.625 J-55	32.0	0	2160		600		0	
7.875	5.500 L-80	17.0	0	7104		1250		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	6821							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5520 TO 5640	0.000	21	OPEN
B) PADDOCK	5520	5640	6090 TO 6290	0.000	26	OPEN
C) BLINEBRY	6630	6830	6360 TO 6560	0.000	26	OPEN
D)			6630 TO 6830	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5520 TO 5640	ACIDIZE W/3,687 GALS 15% ACID.
5520 TO 5640	FRAC W/108,166 GALS GEL, 108,166# 16/30 WHITE SAND, 21,721# 16/30 SIBERPROP SAND.
6090 TO 6290	ACIDIZE W/3,587 GALS 15% ACID.
6090 TO 6290	FRAC W/ 124,356 GALS GEL, 149,710# 16/30 WHITE SAND, 28,020# 16/30 SIBERPROP SAND.

## 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
10/27/2010	10/28/2010	24	→	133.0	182.0	238.0	38.9		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	133	182	238	1368	POW	NOV 11 2010

## 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
10/27/2010	10/28/2010	24	→	133.0	182.0	238.0	38.9	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	133	182	238		POW	

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

ELECTRONIC SUBMISSION #96141 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

**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	2190		DOLOMITE & SAND		
QUEEN	3140		SAND		
SAN ANDRES	3907		DOLOMITE & ANHYDRITE		
GLORIETTA	5442		SAND & DOLOMITE		
YESO	5514		DOLOMITE & ANHYDRITE		
TUBB	6928				

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

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

6360 - 6560 ACIDIZE W/3,641 GALS 15% ACID.

6360 - 6560 Frac w/ 124,603 gals gel, 145,140# 16/30 White sand, 32,683# 16/30 Siberprop sand.

6630 - 6830 ACIDIZE W/3,500 GALS 15% ACID.

6630 - 6830 FRAC W/122,593 gals gel, 149,047# 16/30 White sand, 26,980# 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 #96141 Verified by the BLM Well Information System.**

**For COG OPERATING LLC, sent to the Hobbs**

**Committed to AFMSS for processing by KURT SIMMONS on 11/01/2010 (11KMS0019SE)**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 10/29/2010

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 #96141 that would not fit on the form**

**32. Additional remarks, continued**

sand.