

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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 NMLC029509B	
b Type of Completion <input 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 JC FEDERAL 22	
3 Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701		9 API Well No 30-025-39089-00-S1	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 22 T17S R32E Mer NMP At surface NWSE 2310FSL 1650FEL 32 81907 N Lat, 103 75054 W Lon At top prod interval reported below Sec 22 T17S R32E Mer NMP At total depth NWSE 2310FSL 1650FEL 32 81907 N Lat, 103 75054 W Lon		10 Field and Pool, or Exploratory MALJAMAR; YESO, West 44500 11 Sec., T., R., M., or Block and Survey or Area Sec 22 T17S R32E Mer NMP	
14 Date Spudded 06/25/2009		15 Date T.D. Reached 07/07/2009	
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 07/24/2009		17 Elevations (DF, KB, RT, GL)* 3998 GL	
18 Total Depth: MD 7025 TVD 7025		19 Plug Back T.D.: MD 6945 TVD 6945	
20 Depth Bridge Plug Set: MD TVD		21 Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL	
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	0	830		700		0	0
17 500	13.375 H-40	48.0	0	830		700		0	
11 000	8 625 J55	32 0	0	2103		700		0	0
11.000	8.625 J-55	32.0	0	2130		700		0	
7.875	5.500 J-55	17.0	0	7025		1200		0	
7.875	5.500 L80	17.0	0	7025		1200		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	6768							

## 25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5520 TO 5600	0.000	36	OPEN
B) PADDOCK	5520	5600	6070 TO 6270	0.000	36	OPEN
C) BLINEBRY	6620	6820	6350 TO 6550	0.000	36	OPEN
D)			6620 TO 6820	0.000	48	OPEN

## 26 Perforation Record

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

Depth Interval	Amount and Type of Material
5520 TO 5600	ACIDIZE W/2,500 GALS 15% ACID
5520 TO 5600	FRAC W/107,336 GALS GEL, 113,274# 16/30 OTTAWA SAND, 12,267 16/30 SUPER LC
6070 TO 6270	ACIDIZE W/3,500 GALS 15% ACID
6070 TO 6270	FRAC W/ 151,768 GALS GEL, 178,333# 16/30 OTTAWA SAND, 37,000# 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
07/31/2009	08/04/2009	24	→	101 0	128 0	468 0	37 5	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	→	101	128	468		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 SI	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 #73039 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

AUG 10 2009

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

K2

## 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	2168 3128 3931 5409 5484 6908		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND	YATES QUEEN SAN ANDRES GLORIETTA YESO TUBB	2168 3128 3931 5409 5484 6908

## 32 Additional remarks (include plugging procedure)

Acid, Fracture, Treatment, Cement Squeeze etc continued.

6350-6550 ACIDIZE W/2500 GALS 15% ACID

6350-6550 FRAC W/ 151,142 GALS GEL, 208,808# 16/30 Ottawa SAND, 44,000# 16/30 super LC.

6620-6820 ACIDIZE W/2500 GALS 15% ACID

6620-6820 FRAC W/93,282 GALS GEL, 85,451# 16/30 Ottawa SAND, 14,775# 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 #73039 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 08/11/2009 (09KMS1008SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 08/10/2009

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 #73039 that would not fit on the form**

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

Depth Interval	Amount and Type of Material
6350 TO 6550	GAL ACID
6350 TO 6550	GALS GEL, 208808# 16/30 OTTAWA SD, 44000# SUPER LC
6620 TO 6820	GAL ACID
6620 TO 6820	GALS GEL, 85451# 16/30 OTTAWA SD, 14775 SUPER LC

**32. Additional remarks, continued**