

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			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No MC FEDERAL 22 ✓		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No 30-025-38715-00-S1 ✓		
3a. Phone No (include area code) Ph 432-685-4332			10. Field and Pool, or Exploratory MALJAMAR		
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface Lot B 990FNL 1780FEL 32 82454 N Lat, 103.76813 W Lon  At top prod interval reported below Lot B 990FNL 1780FEL 32 82454 N Lat, 103 76813 W Lon  At total depth Lot B 990FNL 1780FEL 32.82454 N Lat, 103.76813 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer NMP ✓		
14. Date Spudded 05/29/2009			15. Date T.D. Reached 06/11/2009		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 07/13/2009			17. Elevations (DF, KB, RT, GL)* 4030 GL		
18. Total Depth MD 6920 TVD 6920		19. Plug Back T.D. MD 6810 TVD 6810		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 H-40	48.0	0	855		700		0	
11 000	8.625 J-55	32.0	0	2147		700		0	
7 875	5 500 J-55	17.0	0	6920		1200		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	6521							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) YESO			5429 TO 5594	0 000	36	OPEN
B) PADDOCK	5429	5594	6010 TO 6210	0.000	36	OPEN
C) BLINEBRY	6010	6750	6280 TO 6480	0 000	36	OPEN
D)			6550 TO 6750	0.000	48	OPEN

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

Depth Interval	Amount and Type of Material
5429 TO 5594	ACIDIZE W/3,500 GALS 15% ACID
5429 TO 5594	FRAC W/98,689 GALS GEL, 114,697# 16/30 SAND, 16,236# CRC
6010 TO 6210	ACIDIZE W/3,500 GALS 15% ACID
6010 TO 6210	FRAC W/ 115,231 GALS GEL, 141,815# 16/30 SAND, 32,452# CRC

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
07/18/2009	07/20/2009	24	→	316 0	336 0	455 0	38 7	0 60	/s/ Chris Walls BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
		70	→	316	336	455		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
			→						Kz
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 #72441 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	2141		DOLOMITE & SAND	YATES	2141
QUEEN	3101		SAND	QUEEN	3101
SAN ANDRES	3846		DOLOMITE & ANHYDRITE	SAN ANDRES	3846
GLORIETTA	5353		SAND & DOLOMITE	GLORIETTA	5353
YESO	5422		DOLOMITE & ANHYDRITE	YESO	5422

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

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

6280-6480 ACIDIZE W/2,500 GALS 15% ACID.

6280-6480 FRAC W/ 115,000 GALS GEL, 148,300# 16/30 BASF, 32,300# SLC.

6550-6750 ACIDIZE W/2,500 GALS 15% ACID

6550-6750 FRAC W/114,000 GALS GEL, 145,600# 16/30 BASF, 31,600# Super LC sand

**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 #72441 Verified by the BLM Well Information System.**  
**For COG OPERATING LLC, sent to the Hobbs**  
**Committed to AFMSS for processing by PAUL BROWN on 07/23/2009 (09PLB0003SE)**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission)

Date 07/23/2009

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 \*\***