

RECEIVED

Form 3160-4
(August 2007)

NOV 09 2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OGD Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6 If Indian, Allottee or Tribe Name	
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ 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 28	
3 Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701		9 API Well No. 30-025-39166-00-S1	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW Lot N 990FSL 2090FWL 32.84490 N Lat, 103 97108 W Lon At top prod interval reported below SESE Lot N 990FSL 2090FWL At total depth SESW Lot N 990FSL 2090FWL		10 Field and Pool, or Exploratory MALJAMAR ; Yes, West -	
14 Date Spudded 08/31/2009		15 Date T.D. Reached 09/11/2009	
16 Date Completed ☐ D & A ☒ Ready to Prod 10/04/2009		17 Elevations (DF, KB, RT, GL)* 3999 GL	
18. Total Depth MD 7123 TVD 7123	19 Plug Back T.D. MD 7041 TVD 7041	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ 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	803		650		0	
11.000	8.625 J-55	32.0	0	2118		700		0	
7 875	5.500 J-55	17.0	0	7123		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	6575							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO			5462 TO 5610	0.000	36	OPEN
B) PADDOCK	5462	5610	6080 TO 6280	0.000	36	OPEN
C) BLINEBRY	6080	6820	6350 TO 6550	0.000	36	OPEN
D)			6620 TO 6820	0.000	48	OPEN

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

Depth Interval	Amount and Type of Material
5462 TO 5610	ACIDIZE W/ 3,000 GALS 15% ACID
5462 TO 5610	FRAC W/110,000 GALS GEL, 116,900# 16/30 BASF, 27,400# 16/30 SLC
6080 TO 6280	ACIDIZE W/2,500 GALS 15% ACID.
6080 TO 6280	FRAC W/113,000 GALS GEL, 137,000# 16/30 BASF, 25,700# 16/30 SLC.

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
10/12/2009	10/15/2009	24	→	151.0	97.0	432.0	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	→	151	97	432		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	
			→						

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

NOV 4 2009

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #76083 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 QUEEN SAN ANDRES GLORIETTA YESO TUBB	2153 3113 3908 5398 5499 6926		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure)

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

6350-6550 ACIDIZE W/2,500 GALS 15% ACID.

6350-6550 FRAC W/ 117,000 GALS GEL, 150,000# 16/30 BASF, 28,900# 16/30 SLC.

6620-6820 ACIDIZE W/2,500 GALS 15% ACID.

6620-6820 FRAC W/ 115,000 GALS GEL, 145,000# 16/30 BASF, 30,400# 16/30 SLC.

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 #76083 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by CHERYLE RYAN on 10/22/2009 (10CMR0008SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 10/21/2009

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 ****