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Form 3160-4
(August 2007)

JUL 24 2009

HOBBSSOCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD Hobbs

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

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 25		
3 Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No. 30-025-39059-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 21 T17S R32E Mer NMP At surface SWSE 1090FSL 1650FEL 32.81582 N Lat, 103.76827 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory MALJAMAR ; Yes, West		
14. Date Spudded 05/25/2009			15. Date T.D. Reached 06/08/2009		
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/28/2009			17. Elevations (DF, KB, RT, GL)* 4025 GL		
18. Total Depth: MD 7017 TVD 7017			19. Plug Back T.D.: MD 6930 TVD 6930		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL		
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	835		700		0	
11.000	8.625 J-55	32.0	0	2103		700		0	
7.875	5.500 L-80	17.0	0	7017		1300		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	6566							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5514 TO 5630	0.000	36	OPEN
B) PADDOCK	5514	5630	6080 TO 6280	0.000	36	OPEN
C) BLINEBRY	6620	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
5514 TO 5630	ACIDIZE W/3,000 GALS 15% ACID.
5514 TO 5630	FRAC W/105,000 GALS GEL, 106,983# BASF SAND, 35,967# CRC SAND.
6080 TO 6280	ACIDIZE W/2,500 GALS 15% ACID
6080 TO 6280	FRAC W/111,000 GALS GEL, 138,779# BASF SAND, 25,225# CRC 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
07/04/2009	07/04/2009	24	→	205.0	395 0	449 0	37.5	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	70	70 0	→	205	395	449	1927	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
07/04/2009	07/05/2009	24	→	205.0	395 0	449 0	37.5	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	70	70.0	→	205	395	449		POW	

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

ELECTRONIC SUBMISSION #72177 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD

JUL 22 2009

ELECTRIC PUMPING UNIT

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	2147		DOLOMITE & SAND	YATES	2147
QUEEN	3110		SAND	QUEEN	3110
SAN ANDRES	3888		DOLOMITE & ANHYDRITE	SAN ANDRES	3888
YESO	5455		DOLOMITE & ANHYDRITE	YESO	5455

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/ 115,000 GALS GEL, 145,016# BASF SAND, 33,915# CRC sand.

6620 - 6820 ACIDIZE W/2500 GALS 15% ACID.

6620 - 6820 FRAC W/116,000 GALS GEL, 144,168# BASF SAND, 33,133# CRC 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 #72177 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 07/16/2009 (09KMS0944SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 07/15/2009

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 ****