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Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. GC FEDERAL 25		
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701			9. API Well No 30-025-39263-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T17S R32E Mer NMP At surface NESE 1855FSL 275FEL <i>ul-I</i>			10. Field and Pool, or Exploratory MALJAMAR <i>Yes, West</i>		
At top prod interval reported below			11. Sec, T, R, M, or Block and Survey or Area Sec 20 T17S R32E Mer NMP		
At total depth			12. County or Parish LEA		
14. Date Spudded 04/07/2009			15. Date T.D. Reached 04/18/2009		
16. Date Completed ☐ D & A ☒ Ready to Prod 05/10/2009			17. Elevations (DF, KB, RT, GL)* 4004 GL		
18. Total Depth: MD 7010 TVD 7010		19. Plug Back T.D.: MD 6927 TVD 6927		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT			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	647		600		0	
11.000	8.625 K-55	32.0	0	2105		700		0	
7.875	5.500 L-80	17.0	0	7009		1100		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	6474							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5374 TO 5534	0.000	36	OPEN
B) PADDOCK	5374	5534	6010 TO 6210	0.000	36	OPEN
C) BLINEBRY	6550	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
5374 TO 5534	ACIDIZE W/2500 GALS 15% ACID
5374 TO 5534	FRAC W/110,000 GALS GEL, 125,200# BASF, 26,800# CRC
6010 TO 6210	ACIDIZE W/2500 GALS 15% ACID
6010 TO 6210	FRAC W/116,000 GALS GEL, 148,400# BASF, 31700# 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
06/09/2009	06/09/2009	24	→	89.0	35.0	590.0	37.4	
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	→	89	35	590	393	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
06/09/2009	06/09/2009	24	→	89.0	35.0	590.0	37.4	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	→	89	35	590		POW	

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

ELECTRONIC SUBMISSION #70782 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	Thg 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	Thg 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 YESO TUBB	2070 3040 3810 5365 6880		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE SAND		

32 Additional remarks (include plugging procedure):
Logs will be mailed

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

6280-6480 ACIDIZE W/2,500 GALS 15% ACID.
6280-6480 FRAC W/116,000 GALS GEL, 145,200# BASF, 32,600# CRC.

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 #70782 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 06/11/2009 (09KMS0832SE)**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 06/10/2009

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 ****

Additional data for transaction #70782 that would not fit on the form

32. Additional remarks, continued

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

6550-6750 FRAC W/ 116,000 GALS GEL, 145,500# BASF, 35,600# CRC.