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Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBSCO

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029405B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
COG OPERATING LLC

Contact: KANICIA CARRILLO
E-Mail: kcarrillo@conchoresources.com

8. Lease Name and Well No.
GC FEDERAL 22

3. Address 550 WEST TEXAS AVE STE 1300
MIDLAND, TX 79701

3a. Phone No. (include area code)
Ph: 432-685-4332

9. API Well No.
30-025-39268

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Lot I 2310FSL 990FEL 32 81920 N Lat, 103 78331 W Lon

At top prod interval reported below Lot I 2310FSL 990FEL 32 81920 N Lat, 103.78331 W Lon

At total depth Lot I 2310FSL 990FEL 32 81920 N Lat, 103 78331 W Lon

10. Field and Pool, or Exploratory
MALJAMAR;YESO, WEST11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T17S R32E Mer

12. County or Parish
LEA

13. State
NM

14. Date Spudded
02/19/2010

15. Date T.D. Reached
03/03/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
04/13/2010

17. Elevations (DF, KB, RT, GL)*
4002 GL

18. Total Depth. MD
TVD 7015
7015

19. Plug Back T.D.: MD
TVD 6955
6955

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON

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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	678		550		0	0
11.000	8.625 J55	32.0	0	2061		600		0	0
7.875	5.500 L80	17.0	0	7000		1300		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	6479							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5360	5590	5360 TO 5590	0.410	29	OPEN
B) BLINEBRY	5970	6170	5970 TO 6170	0.410	26	OPEN
C) BLINEBRY	6240	6440	6240 TO 6440	0.410	26	OPEN
D) BLINEBRY	6510	6710	6510 TO 6710	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
5360 TO 5590	ACIDIZE W/2,500 GALS 15% ACID
5360 TO 5590	FRAC W/ 94,967 GALS GEL, 101,969# 16/30 OTTAWA SAND, 14,516# 16/30 SUPER LC
5970 TO 6170	ACIDIZE W/3,500 GALS 15% ACID
5970 TO 6170	FRAC W/ 112,696 GALS GEL, 146,499# 16/30 OTTAWA SAND, 29,722# 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
05/19/2010	05/22/2010	24	→	99.0	346.0	571.0	36.7	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	→					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	
			→						

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

ELECTRONIC SUBMISSION #87243 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

JUN 22 2010

PETROLEUM ENGINEER

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	2070		DOLOMITE & SAND	DOLOMITE & SAND	2070
QUEEN	3044		SAND	SAND	3044
SAN ANDRES	3790		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3790
GLORIETA	5287		SAND & DOLOMITE	SAND & DOLOMITE	5287
YESO	5353		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	5353
TUBB	6908		SAND	SAND	6908

32 Additional remarks (include plugging procedure):

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

6240-6440 ACIDIZE W/3,500 GALS 15% ACID.

6240-6440 FRAC W/ 115,362 GALS GEL, 147,056# 16/30 Ottawa Sand, 32,038# 16/30 Super LC.

6510-6710 ACIDIZE W/3,500 GALS 15% ACID.

6510-6710 FRAC W/119,823 GALS GEL, 148,247# 16/30 Ottawa sand, 27,127# 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 #87243 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 06/01/2010

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

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