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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 49

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.
30-025-39422

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

At surface Lot P 385FSL 1170FEL

At top prod interval reported below Lot P 385FSL 1170FEL

At total depth Lot P 385FSL 1170FEL

10 Field and Pool, or Exploratory
MALJAMAR;YESO,WEST

11 Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R32E Mer

12 County or Parish
LEA

13 State
NM

14. Date Spudded
06/10/2010

15. Date T.D. Reached
06/19/2010

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/16/2010

17. Elevations (DF, KB, RT, GL)*
3923 GL

18. Total Depth: MD 6925 TVD 6925

19 Plug Back T.D. MD 6860 TVD 6860

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	653		550		0	0
11.000	8.625 J55	32.0	0	2067		600		0	0
7.875	5.500 L80	17.0	0	6915		1100		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	6418							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	PADDOCK	5270	5420	5270 TO 5420	0.410	26	OPEN
B)	BLINEBRY	5940	6140	5940 TO 6140	0.410	26	OPEN
C)	BLINEBRY	6210	6410	6210 TO 6410	0.410	26	OPEN
D)	BLINEBRY	6480	6680	6480 TO 6680	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
5270 TO 5420	ACIDIZE W/2,500 GALS 15% ACID.
5270 TO 5420	FRAC W/ 106,695 GALS GEL, 111,436# 16/30 OTTAWA SAND, 15,512# 16/30 SIBERPROP
5940 TO 6140	ACIDIZE W/3,500 GALS 15% ACID
5940 TO 6140	FRAC W/ 124,336 GALS GEL, 147,314# 16/30 OTTAWA SAND, 32,065# 16/30 SIBERPROP

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
07/16/2010	07/17/2010	24	→	52.0	8.0	596.0	36.4	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	→					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 #91365 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	1956		DOLOMITE & SAND	DOLOMITE & SAND	1956
QUEEN	2942		SAND	SAND	2942
SAN ANDRES	3712		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3712
GLORIETA	5203		SAND & DOLOMITE	SAND & DOLOMITE	5203
YESO	5262		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	5262
TUBB	6764		SAND	SAND	6764

32 Additional remarks (include plugging procedure):
Acid, Fracture, Treatment, Cement Squeeze etc. continued...

6210 - 6410 ACIDIZE W/3,500 GALS 15% ACID
6210 - 6410 FRAC W/ 124,444 GALS GEL, 148,205# 16/30 OTTAWA SAND, 33,804# 16/30 SIBERPROP

6480 - 6680 ACIDIZE W/3,500 GALS 15% ACID.

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 #91365 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 08/18/2010

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 fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #91365 that would not fit on the form

32. Additional remarks, continued

6480 - 6680 FRAC W/123,882 GALS GEL, 146,972# 16/30 OTTAWA SAND, 34,642# 16/30 SIBERPROP.