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.
NMLC029020M

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: CHASITY JACKSON
E-Mail: cjackson@concho.com

3. Address ONE CONCHO CENTER 600 WEST ILLINOIS AVENUE
MIDLAND, TX 79701
3a. Phone No. (include area code)
Ph: 432-686-3087

8. Lease Name and Well No.
CARMEN 3 FEDERAL COM 15H

9. API Well No.
30-015-40539

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

At surface   Lot 1 330FNL 330FEL

At top prod interval reported below   Lot 1 330FNL 330FEL

At total depth   Lot 4 401FNL 350FWL

10. Field and Pool, or Exploratory
LOCO HILLS

11. Sec., T., R., M., or Block and Survey or Area   Sec 3 T17S R30E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded 03/04/2013	15. Date T.D. Reached 03/24/2013	16. Date Completed ☐ D & A ☒ Ready to Prod. 07/19/2013	17. Elevations (DF, KB, RT, GL)* 3757 GL

18. Total Depth:	MD 10200 TVD 5724	19. Plug Back T.D.:	MD 10200 TVD	20. Depth Bridge Plug Set:	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON LOG/SPECTRAL GAMMA RAY

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		462		1250			
12.250	9.625 J55	40.0		1388		500			
7.875	5.500 L80	17.0		5280					

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	4986							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6123	10075	6123 TO 10075	0.400	360	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6123 TO 10075	ACIDIZE W/25,586 GALS 15% HCL. FRAC W/1,503,900 GALS GEL, 20,826 GALS WATERFRAC R9,
6123 TO 10075	119,835 GALS TREATED WATER, 1,302,827# 20/40 BROWN SAND, 226,473# 16/30 CRC, 30,466# 100 MESH.

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
08/02/2013	08/13/2013	24	▷	78.0	17.0	461.0	36.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI 70.0	Csg. Press.	24 Hr. Rate ▷	Oil BBL 78	Gas MCF 17	Water BBL 461	Gas:Oil Ratio 218	Well Status 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 #230208 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

3160-5 Completion Sundry Not Submitted   4

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
RUSTLER	319		ANHYDRITE	RUSTLER	319
YATES	1427		SANDSTONE	YATES	1427
QUEEN	2322		SANDSTONE & DOLOMITE	QUEEN	2322
GRAYBURG	2741		SANDSTONE & DOLOMITE	GRAYBURG	2741
SAN ANDRES	3044		DOLOMITE & LIMESTONE	SAN ANDRES	3044
GLORIETA	4492		SANDSTONE	GLORIETA	4492
YESO	5014		DOLOMITE & ANHYDRITE	YESO	5014

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

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 #230208 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by JOHNNY DICKERSON on 01/17/2014 ()

Name *(please print)* CHASITY JACKSON　　　　　Title PREPARER

Signature_____(Electronic Submission)_____　　　Date 12/19/2013

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