Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 12 2013
NMOCD ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC068722

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. NMNM129933

2. Name of Operator COG OPERATING LLC
Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

8. Lease Name and Well No. SUBMARINE 10 FED COM 2H

3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701
3a. Phone No. (include area code) Ph: 432-685-4332

9. API Well No. 30-015-40358-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NENE 945FNL 15FEL
Sec 10 T17S R29E Mer NMP
At top prod interval reported below
Sec 10 T17S R29E Mer NMP
At total depth NWNW 990FNL 330FWL

10. Field and Pool, or Exploratory UNKNOWN
GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey or Area Sec 10 T17S R29E Mer NMP

12. County or Parish EDDY
13. State NM

14. Date Spudded 08/22/2012
15. Date T.D. Reached 09/08/2012
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/09/2012
17. Elevations (DF, KB, RT, GL)* 3626 GL

18. Total Depth: MD 9970 TVD 5119
19. Plug Back T.D.: MD 9970 TVD 5119
20. Depth Bridge Plug Set: MD TVD

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

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 H-40	48.0	0	258		800		0	
12.250	9.625 J-55	40.0	0	1375		650		0	
8.750	7.000 L-80	26.0	0	4706					
7.875	5.500 L-80	17.0	4706	9877	5211	900		0	
7.875	5.500 L80	17.0	4706	9877				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	4598							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5533	9832	5533 TO 9832	3.000	17	OPEN FRAC PORTS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5533 TO 9832	ACIDIZED W/ 33,423 GALS 15% ACID. FRAC W/129,376 GALS WTRFRAC, 1,438,455 GALS GEL,
5533 TO 9832	43,060# 100 MESH SAND, 1,656,530# 16/30 BROWN SAND, 254,900# 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	Production Method
11/12/2012	11/30/2012	24	→	234.0	340.0	280.0	36.8	0.60	ELECTRIC PUMP SUB-SURFACE

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	→	234	340	280	1452	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
			→					

ACCEPTED FOR RECORD
FEB 8 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #193802 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	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	344	852	ANHYDRITE	RUSTLER	344
SALADO	655		SALT	TOP SALT	655
YATES	992		DOLOMITE	YATES	992
QUEEN	1851		SANDSTONE & DOLOMITE	QUEEN	1851
SAN ANDRES	2565		DOLOMITE & LIMESTONE	SAN ANDRES	2565
YESO	4026			YESO	4026

32. Additional remarks (include plugging procedure):
Logs will be mailed.
DHC-4567
46. Continued:
Allocation per order:

Dodd-Glorieta-Upper Yeso 75% oil, 75% gas.
Empire Glorieta-Yeso, East 25% oil, 25% gas.

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 #193802 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/06/2013 (13KMS4794SE)

Name *(please print)* KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 02/01/2013

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #193802 that would not fit on the form

32. Additional remarks, continued

This well is completed in the Yeso but part of the lateral goes into a different yeso pool. Please see attached C102.