

RECEIVED New Mexico Oil Conservation Division, District I

1625 N. French Drive

Hobbs, NM 88240

Form 3160-4
(August 2007)

JAN 14 2011

UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

EC

HOBBSOCD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM105885

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. NMNM125711	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. HERCULES FEDERAL COM 1H	
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		9. API Well No. 30-005-27999-00-S1	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287		3a. Phone No. (include area code) Ph: 432-685-4332	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW 1980FNL 330FWL Unit E At top prod interval reported below SWNW 1980FNL 330FWL At total depth SENE 1920FNL 650FEL Unit A		10. Field and Pool, or Exploratory UNDESIGNATED-ABO-WOLFCAMP	
14. Date Spudded 08/15/2010		15. Date T.D. Reached 09/08/2010	
16. Date Completed 11/12/2010		17. Elevations (DF, KB, RT, GL)* 4405 GL	
18. Total Depth: MD 13180 TVD 8802		19. Plug Back T.D.: MD 13180 TVD 8802	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL	
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	414		650		0	
12.250	9.625 J-55	40.0	0	4017		1500		0	
8.750	7.000 P-110	26.0	0	8013		1150		0	
6.125	4.500 P-110	11.6	7856	13040		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	7820							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ABO-WOLFCAMP	9168	12709	9168 TO 12709	0.410	10	OPEN FRAC PORTS
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
9168 TO 12709	ACIDIZED W/ 41,000 GALS 15% ACID, 16,000 2% HCL ACID.
9168 TO 12709	FRAC W/ 1,653,111 GALS GEL, 1,580,104# 30/50 OTTAWA SAND.

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
11/15/2010	11/17/2010	24	→	225.0	184.0	410.0	46.3	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	
			→	225	184	410	818	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 #99331 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

ACCEPTED
APPROVED FOR 6 MONTH PERIOD
ENDING MAY 12 2011

ACCEPTED FOR RECORD
JAN 6 2011
DAVID R. GLASS
PETROLEUM ENGINEER

KB

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.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):	31. Formation (Log) Markers
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.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
QUATERNARY WOLFCAMP	0 9168	360 12709		YATES QUEEN SAN ANDRES TUBB ABO WOLFCAMP	2410 3220 3950 6770 7460 8740

32. Additional remarks (include plugging procedure):

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 #99331 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 12/23/2010 (11DG0035SE)**

Name (please print) KANICIA CARRILLO Title PREPARER

Signature _____ (Electronic Submission) Date 12/20/2010

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.

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

Revisions to Operator-Submitted EC Data for Well Completion #99331

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM105885	NMNM105885
Agreement:		NMNM125711
Operator:	COG OPERATING LLC 550 WEST TEXAS AVE STE 100 MIDLAND, TX 79701 Ph: 432-685-4332	COG OPERATING LLC 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287 Ph: 432-685-9158
Admin Contact:	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332
Tech Contact:	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332 Fx: 432-685-4396	KANICIA CARRILLO PREPARER E-Mail: kcarrillo@conchoresources.com Ph: 432-685-4332
Well Name:	HERCULES FEDERAL COM	HERCULES FEDERAL COM
Number:	1	1H
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
S/T/R:	Sec 15 T15S R31E Mer	Sec 15 T15S R31E Mer NMP
Surf Loc:	Lot E 1980FNL 330FWL	SWNW 1980FNL 330FWL
Field/Pool:	UNDESIGNATED;WOLFCAMP	UNDESIGNATED-ABO-WOLFCAMP
Logs Run:	COMPENSATED NEUTRON	CNL
Producing Intervals - Formations:	WOLFCAMP	ABO-WOLFCAMP
Porous Zones:	YATES QUEEN SAN ANDRES TUBB ABO WOLFCAMP	QUATERNARY WOLFCAMP
Markers:	DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE	YATES QUEEN SAN ANDRES TUBB ABO WOLFCAMP