

RECEIVED

New Mexico Oil Conservation Division, District I

1625 N. French Drive

Hobbs, NM 88240

Form 3160-4

JAN 14 2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM105887

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.
ANDROMEDA 14 FEDERAL COM 2H

3. Address 550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701-4287

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

9. API Well No.
30-005-27976-00-S1

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

At surface SENE 1980FNL 850FEL

At top prod interval reported below SENE 1980FNL 850FEL

At total depth SWNW 1986FNL 360FNL

10. Field and Pool, or Exploratory
UNDESIGNATED-WOLFCAMP11. Sec., T., R., M., or Block and Survey
or Area Sec 14 T15S R31E Mer NMP12. County or Parish
CHAVES13. State
NM14. Date Spudded
09/14/201015. Date T.D. Reached
10/14/201016. Date Completed
☐ D & A ☒ Ready to Prod.
11/24/201017. Elevations (DF, KB, RT, GL)*
4375 GL18. Total Depth: MD 12698
TVD 886619. Plug Back T.D.: MD
TVD20. Depth Bridge Plug Set: MD
TVD21. 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	436		200		0	
12.750	9.625 J-55	40.0	0	4006		1200		0	
8.750	7.000 P-110	26.0	0	7953		1050		0	
6.125	4.500 P-110	11.6	7853	12604		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	7800							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9132	12362	9132 TO 12362	0.410	12	OPEN FRAC PORTS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9132 TO 12362	FRAC W/ 1,482,390 GALS GEL, 1,581,134 30/50 OTTAWA SAND.
9132 TO 12362	ACIDIZED W/ 38,000 GALS 15% ACID, 16,000 2% HCL ACID.

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
11/24/2010	11/26/2010	24	→	130.0	27.0	730.0	39.1	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	130	27	730		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. SI	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 #100073 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

DAVID R. GLASS
PETROLEUM ENGINEER

FEB 16 2011

ACCEPTED
APPROVED FOR 6 MONTH PERIOD
ENDING MAY 24 2011

ACCEPTED FOR RECORD

DAVID R. GLASS
JAN 11 2011

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.)
CAPTURED

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
QUATERNARY	0	200		YATES	2442
YATES	2442	4013	DOLOMITE & SAND	SAN ANDRES	4013
SAN ANDRES	4013	5446	SAND	GLORIETA	5446
GLORIETA	5446	6820	DOLOMITE & ANHYDRITE	TUBB	6820
TUBB	6820	7490	SAND & DOLOMITE	ABO	7490
WOLFCAMP	9132	12362	DOLOMITE & ANHYDRITE		

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 #100073 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 01/10/2011 (11DG0070SE)

Name (please print) KANICIA CARRILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 01/05/2011

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #100073

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM105887	NMNM105887
Agreement:		
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 Fx: 432-685-4396
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 Fx: 432-685-4396
Well Name: Number:	ANDROMEDA FEDERAL COM 2	ANDROMEDA 14 FEDERAL COM 2H
Location: State: County: S/T/R: Surf Loc:	NM CHAVES Sec 14 T15S R31E Mer Lot H 1980FNL 850FEL	NM CHAVES Sec 14 T15S R31E Mer NMP SENE 1980FNL 850FEL
Field/Pool:	UNDESIGNATED;WOLFCAMP	UNDESIGNATED-WOLFCAMP
Logs Run:	COMPENSATED NEUTRON	CNL
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	YATES SAN ANDRES GLORIETA TUBB ABO	QUATERNARY YATES SAN ANDRES GLORIETA TUBB WOLFCAMP
Markers:	DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE	YATES SAN ANDRES GLORIETA TUBB ABO