

## New Mexico Oil Conservation Division, District 1

1625 N. French Drive

Hobbs, NM 88240

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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

NOV 17 2011

EC

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM105885

RECEIVED

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2 Name of Operator  
COG OPERATING LLCContact: NETHA AARON  
E-Mail: oaaron@concho.com8 Lease Name and Well No.  
LEO 3 FEDERAL COM 1H3. Address 550 WEST TEXAS AVENUE SUITE 100  
MIDLAND, TX 79701-42873a. Phone No (include area code)  
Ph: 432-818-23199. API Well No.  
30-005-29119-00-S1

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

At surface Lot P 660FSL 430FEL

At top prod interval reported below Lot P 660FSL 430FEL

At total depth Lot M 616FSL 365FEL 4951/E

10. Field and Pool, or Exploratory  
UNDESIGNATED-ABO-WOLFCAMP11. Sec., T., R., M., or Block and Survey  
or Area Sec 3 T15S R31E Mer NMP12. County or Parish  
CHAVES13 State  
NM14. Date Spudded  
04/30/201115. Date T.D. Reached  
06/02/201116. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/05/201117. Elevations (DF, KB, RT, GL)\*  
4405 GL18 Total Depth. MD 12998  
TVD 870919. Plug Back T.D.: MD 12998  
TVD 870920. Depth Bridge Plug Set: MD  
TVD21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  
SEE ADDITIONAL RE22. 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	410		600		0	
12.250	9.625 J-55	40.0	0	3986		1450		0	
8.375	7.000 P-110	26.0	0	7996		1200		0	
6.125	4.500 P-110	11.6	7854	12905		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	7776							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9190	12616	9190 TO 12616			OPEN STRATA PORTS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9190 TO 12616	ACIDIZED W/41,966 GALS 15% HCL
9190 TO 12616	FRAC W/1,267,040 GALS GEL, 1,262,090# 30/50 WHITE SAND, 156,624# 20/40 CRC, 181,185 GALS WATER

## 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
06/28/2011	08/29/2011	24	→	715.0	759.0	198.0	38.5	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Thg. Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
-	70	70.0	→	715	759	198		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	Thg. Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

DAVID R. GLASS

OCT 24 2011

DAVID R. GLASS  
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #119053 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

ACCEPTED \* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

APPROVED FOR 6 MONTH PERIOD

ENDING FEB 05 2012

JAN 03 2012

## 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
QUATERNARY WOLFCAMP	0 9190	350 12616		RUSTLER TOP OF SALT TANSILL YATES SAN ANDRES GLORIETA YESO TUBB ABO BASE ABO WOLFCAMP	1370 1480 2220 2382 3891 5439 5482 6725 7410 8645 8800

32. Additional remarks (include plugging procedure):

## 38. TYPE ELECTRIC &amp; OTHER MECHANICAL LOGS RUN

PLATFORM EXPRESS THREE-DETECTOR LITHO-DENSITY COMP NEUTRON/HNGS  
PLATFORM EXPRESS HI-RES LATEROLOG ARRAY MICRO-CFL/HNGS  
PLATFORM EXPRESS HRLA HIGH RESOLUTION LATEROLOG ARRAY  
PLATFORM EXPRESS GAMMA RAY COMP NEUTRON/LITHO-DENSITY

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 #119053 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Roswell  
Committed to AFMSS for processing by DAVID GLASS on 10/06/2011 (12DG0003SE)

Name (please print) NETHA AARON Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 10/03/2011

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 \*\* REVISED \*\***

**Additional data for transaction #119053 that would not fit on the form**

**32. Additional remarks, continued**

LOGS WILL BE MAILED