

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY,
MINERALS AND NATURAL
RESOURCES
OIL CONSERVATION DIVISION**

Case No. 14300

EXHIBIT

8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 27 2009

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG



5. Lease Serial No.
NMMN13074

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
MOSAIC 34 FEDERAL 3H

9. API Well No.
30-015-36001-00-S1

10. Field and Pool, or Exploratory
WILLOW LAKE

11. Sec, T, R., M., or Block and Survey
or Area Sec 34 T24S R28E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3003 GL

16. Date Completed
 D & A Ready to Prod.
12/10/2008

15. Date T.D Reached
11/03/2008

14. Date Spudded
10/04/2008

20. Depth Bridge Plug Set: MD
TVD

19. Plug Back T.D.: MD
TVD

18. Total Depth: MD
TVD

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator
CHESAPEAKE OPERATING, INC. Contact: LINDA GOOD
E-Mail: linda.good@chk.com

3. Address
OKLAHOMA CITY, OK 73154-0496

3a. Phone No. (include area code)
Ph: 405-935-4275

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NESW 1670FSL 25FWL
At top prod interval reported below
Sec 34 T24S R28E Mer NMP
At total depth NWSW 1630FSL 318FWL

14. Date Spudded
10/04/2008

15. Date T.D Reached
11/03/2008

16. Date Completed
 D & A Ready to Prod.
12/10/2008

18. Total Depth: MD
TVD

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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	40.0		642		700		0	
12.250	9.625 J-55	36.0		2600		885		0	
8.750	5.500 N-80	17.0		9665		1950		2100	
17.500	13.375 H-40	40.0	0	642		700		0	
12.250	9.625 J-55	36.0	0	2600		885		0	
7.875	5.500 N-80	17.0	0	9665		1950		2100	

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	4430							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. S
A) DELAWARE			5348 TO 5904		30	open
B)			5348 TO 6619		60	OPEN
C)			6020 TO 6619		30	open
D)			6778 TO 7361		30	open

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

Depth Interval	Amount and Type of Material
5348 TO 5904	gal B Frac 25 X-Link gel, w/ 300080# 20/40 white sand, 50000# 20/40 super LC
6020 TO 6619	gal B Frac 25 X-Link gel, w/ 300000# 20/40 white sand, 59820# 20/40 super LC
6778 TO 7361	gal B Frac 25 X-Link gel, w/ 300000# 20/40 white sand, 49040# 20/40 super LC
6778 TO 7361	FRAC W/182,094 GAL B FRAC 25 X-LINK GEL, 300,000# 20/40 WHITE SD, (SEE REMARKS FOR REMAINDER PERFS)

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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Con 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

JAN 25 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #66556 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED **

Before the Oil Conservation Division
 Case 14300
 Hearing June 2, 2009
 Chesapeake Energy Corp.
 Exhibit No. 8

Accepted for record - NMOCD

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.)
UNKNOWN

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
BASE OF SALT	2603	3628	LIMESTONE		
WILLOW LAKE	4922	9665	SAND/SILT/SHALE		

32. Additional remarks (include plugging procedure):

LOGS ARE BEING SENT VIA UPS OVERNIGHT TO JERRY FANT.

#44 CONT'D:

9085-9559: 300,500# 20/40 WHITE SAND, TAILING W/49,800# 20/40 SUPER LC.
 8276-8859: TAILING W/50,000# 20/40 SUPER LC.
 7491-7999: TAILING W/51,080# 20/40 SUPER LC.
 6778-7361: TAILING W/49,040# 20/40 SUPER LC.

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 #66556 Verified by the BLM Well Information System.
 For CHESAPEAKE OPERATING, INC., sent to the Carlsbad
 Committed to AFMSS for processing by KURT SIMMONS on 01/22/2009 (09KMS0697SE)

Name (please print) LINDA GOOD

Title SR. REGULATORY COMPLIANCE SPEC

Signature _____ (Electronic Submission)

Date 01/22/2009

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.

Additional data for transaction #66556 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
6778 TO 7361		30	OPEN
7194 TO 8859		60	OPEN
7491 TO 7999		30	open
8276 TO 8859		30	open
9085 TO 9559		30	OPEN
9085 TO 9559		30	open

27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
7491 TO 7999	FRAC W/186,756 GAL B FRAC 25 X-LINK GEL, 299,760# 20/40 WHITE SAND, (CONT'D IN REMARKS)
7491 TO 7999	gal B Frac 25 X-Link gel, w/ 299760# 20/40 white sand, 51080# 20/40 super LC
8276 TO 8859	gal B Frac 25 X-Link gel, w/ 250000# 20/40 white sand, 50000# 20/40 super LC
8276 TO 8859	FRAC W/180,600 GAL B FRAC 25 X-LINK GEL, 250,000# 20/40 WHITE SAND, (CONT'D IN REMARKS)
9085 TO 9559	gal B Frac 25 X-Link gel, w/ 300500# 20/40 white sand, 49800# 20/40 super LC
9085 TO 9559	gal 15% NEFE acid + 35 BS
9085 TO 9559	ACID W/3000 GAL 15% NEFE + BS - FRAC W/184,716 GAL BFRAC 25 X-LINK GEL, (CONT'D IN REMARKS)

32. Additional remarks, continued

6020-6619: FRAC W/189,402 GAL B FRAC 25 X-LINK GEL, 300,000# 20/40 WHITE SAND, TAILING W/59,820# 20/40 SUPER LC.
5348-5904: FRAC W/188,016 GAL B FRAC 25 X-LINK GEL, 300,080# 20/40 WHITE SAND, TAILING W/50,000# 20/40 SUPER LC.

(CHK PN 616369)