

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM13074	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CHESAPEAKE OPERATING, INC. E-Mail: linda.good@chk.com		7. Unit or CA Agreement Name and No.	
3. Address OKLAHOMA CITY, OK 73154-0496		8. Lease Name and Well No. MOAIC 34 FEDERAL 3H	
3a. Phone No. (include area code) Ph: 405-935-4275		9. API Well No. 30-015-36001-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 34 T24S R28E Mer NMP At surface NESW 1670FSL 25FWL At top prod interval reported below Sec 34 T24S R28E Mer NMP At total depth NWSW 1630FSL 318FWL		10. Field and Pool, or Exploratory WILLOW LAKE	
14. Date Spudded 10/04/2008		11. Sec, T, R., M., or Block and Survey or Area Sec 34 T24S R28E Mer NMP	
15. Date T.D. Reached 11/03/2008		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/10/2008		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3003 GL			
18. Total Depth: MD 9665 TVD 4828		19. Plug Back T.D.: MD 9602 TVD 4765	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CPD CNLDDL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	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. Status
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

## 26. Perforation Record

## 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 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 #66556 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

JAN 25 2009

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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 WILLOW LAKE	2603 4922	3628 9665	LIMESTONE 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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**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)