

WR-37
(REV. 5/01)

Date: December 16, 2008
 Operator's Well No. 626407
 API No. 47-007-02539

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENT-OFFICE OF OIL AND GAS
 PRE-OPERATION CERTIFICATE
 FOR LIQUID INJECTION OR WASTE DISPOSAL WELL

WELL OPERATOR Chesapeake Appalachia, L.L.C.
 Address P.O. Box 6070
Charleston, WV25362

DESIGNATED AGENT David Gum
 Address Same

GEOLOGICAL TARGET FORMATION Hamilton Group / Marcellus Tully
 Virgin reservoir pressure in target formation 1250 psig
 Source of information on virgin reservoir pressure: Field Estimate
 Perforation intervals 6475 & 6520 Open-hole intervals _____

MAXIMUM PERMITTED INJECTION OPERATIONS
 Well head injection pressure: 2100 psig Bottom hole pressure: 5437 psig
 Volume per hour: _____

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED
 Liquids to be injected for oil recovery: None
 Wastes to be disposed of: Brine

Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.) MC S - 2530 Scale Inhibitor, MC MC 248-5 AcidIronTreatment,

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL None

ADDITIONAL DRILLING AS PART OF THE CONVERSION (Complete form WR-35)

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION (To be completed below unless the new casing and tubing program is described on a form WR-35, submitted in connection with the permit to which this form WR-37 relates.)

CASING OR TUBING TYPE	SIZE	GRADE	WEIGHT PER FT.	NEW	USED	FOOTAGE USED IN DRILLING	FOOTAGE LEFT IN WELL	CEMENT USED	PACKERS (KIND, SIZE, DEPTH SET)
CONDUCTOR	<u>13 3/8</u>	_____	_____	_____	_____	<u>423'</u>	<u>423</u>		
FRESH WATER	<u>11 3/4</u>	_____	_____	_____	_____	<u>395'</u>	<u>395'</u>	<u>250 sks + 10 sks Grout</u>	
COAL	_____	_____	_____	_____	_____				
INTERMEDIATE	<u>8 5/8</u>	_____	_____	_____	_____	<u>2555'</u>	<u>2555'</u>	<u>CTS</u>	<u>2 7/8 X 5 1/4</u>
PRODUCTION	<u>5 1/2</u>	_____	_____	_____	_____	<u>6556'</u>	<u>6556'</u>	<u>185 sks Toc 4750</u>	<u>Wenterhford</u>
TUBING	<u>2 7/8</u>	_____	_____	_____	_____		<u>6395.16</u>		<u>set at 6393'</u>
LINERS	_____	_____	_____	_____	_____				

47-7-02539

FORM-WR37
(REVERSE)

MECHANICAL INTEGRITY TEST

Test Method Pressured up on casing to 2531 lbs let set for 20 min. at the end of 20 mins. pressure was at 2582 pounds. Test over. See attached chart.

The undersigned certifies that the test was performed on December 12, 2008 and demonstrated mechanical integrity of the well. The test was witnessed by Dave Gum representing the Office of Oil and Gas.

Chesapeake Appalachia, L.L.C.
Well Operator

Date 12/16/2008

THIS WELL IS AUTHORIZED FOR INJECTION.

Signed David L. Guon UIC PROGRAM DIRECTOR
Date 12/16/08

[NOTE: That the mechanical integrity of this well must be demonstrated again within ninety (90) days of five years from this date in order for injection to continue. Please notify the state inspector 24 hours in advance of the test].

Chesapeake Appalachia, L.L.C.
Well Operator

By: _____
Its Operations Supervisor

47-7-02539



Cementing Job Report

CemCAT v1.0

Well	626407	Client	CHESAPEAKE
Field		SIR No.	2200249585
Engineer		Job Type	PUMP RENTAL
Country	United States	Job Date	12-12-2008

