

WR-37
REV. 5/01

Date: August 30, 2010

Operator's Well Number 911885
State 47 County 061 Permit 0317
API Well No.:

**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, LLC
Address P.O. Box 18496
Oklahoma City, OK 73118-18496

DESIGNATED AGENT Eric Gillespie
Address 414 Summers Street
Charleston, WV 25301

GEOLOGICAL TARGET FORMATION Huntersville/Chert/Oriskany Depth 7865 feet(top) to 8085 feet(bottom)

Virgin reservoir pressure in target formation 4150 psig

Source of information on virgin reservoir pressure: Field Estimate

Perforation intervals 7865-8085 Open-hole intervals _____

MAXIMUM PERMITTED INJECTION OPERATIONS

Well head injection pressure: 2682 psig Bottom hole pressure: 2980 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
MC 55-5395 Acid Iron treatment, MC 5-2101 Scale Inhibitor

Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.) _____

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	13 3/8					31.22	31.22	50 sks	
FRESH WATER	9 5/8					1000.56	1000.56	300 sks	
COAL									
INTERMEDIATE									
PRODUCTION	4 1/2					8185	8185	250 sks	
TUBING	2 3/8 Seal Tight			X		7766	7766		7764 Baker 2 3/8 43
LINERS	A3 Lockset								4344 Model "A-3" Lok 6

MECHANICAL INTEGRITY TEST

Test Method: Pressured up on casing to 500 lbs for 5 min. took pressure up to 1000 lbs held for 5 mins.
then took pressure to 1500 held for 5 mins. then took pressure to 2000 lbs, monitored for
20 mins.

The undersigned certifies that the test was performed on 07/26/2010, 20__ and demonstrated mechanical integrity of the well. The test was witnessed by _____ representing the Office of Oil and Gas.

Chesapeake Appalachia, LLC
Well Operator

8/30/10
Date

THIS WELL IS AUTHORIZED FOR INJECTION.

Signed James Peterson UIC PROGRAM DIRECTOR
Date 9/1/10

[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, LLC
Well Operator

By: Dave Don
Its David Gunn



BJ Services JobMaster Program Version 3.20
Job Number: 1001656359
Customer: CHESAPEAKE
Well Name: 911885

91-0031

