WR-37 REV. 5/01 Date: 8-5-15

Operator's Well Number State

County

*O &* Permit

API Well No.:

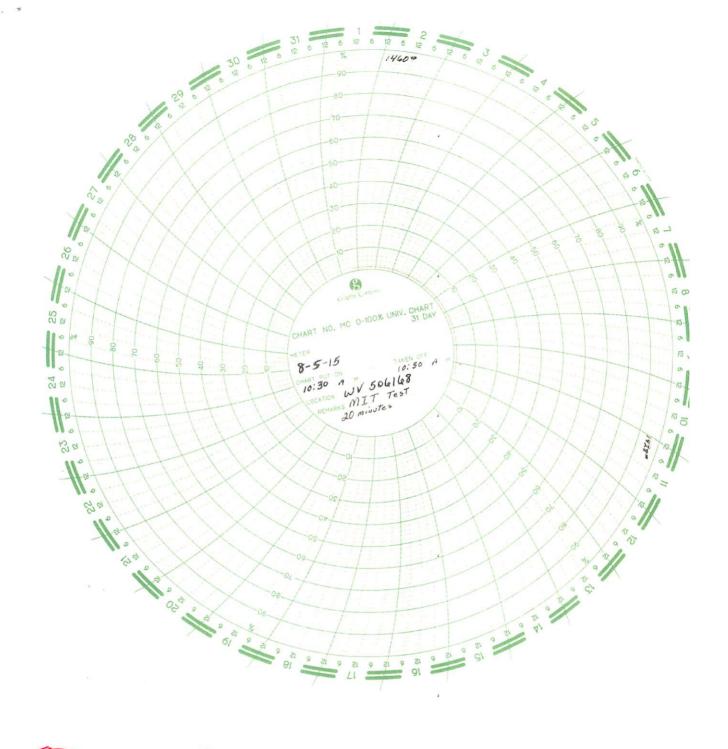
47-

047 - 01511

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

WELL OPERATOR EQT DESIGNATED AGENT
Address 1710 Pennsylvania Ave. Address
Address 1710 Pennsylvania Ave. Address
GEOLOGICAL TARGET FORMATION BERAS Depth 3370 feet(top) to 3420 feet(bottom)
Virgin reservoir pressure in target formation psig
Source of information on virgin reservoir pressure:
Perforation intervals 3412 - 3468 with 108 Open-hole intervals Open-hole intervals
MAXIMUM PERMITTED INJECTION OPERATIONS
Well head injection pressure: 847 psig Bottom hole pressure: 1900 psig
Volume per hour: 47. 7 gals/hour
DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED
Liquids to be injected for oil recovery:  Wastes to be disposed of: Produced water from EQT operated
Conventional and CBM Wells in Brenton District
Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.)
Additives (sturry mediums, minibitors, solvents, oxidizers, deoxidizers, etc.)
FE Oxclear - Oxygen Scavenger Bioclear 2500 Antimictorobial - Biocide
Bioclear 2500 Antimicropobial - Biocide
SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL
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 SIZE GRADE WEIGHT NEW USED FOOTAGE USED FOOTAGE LEFT CEMENT PACKERS TUBING TYPE PER FT. IN DRILLING IN WELL USED (KIND, SIZE, DEPTH SET)
CONDUCTOR
FRESH WATER
COAL
INTERMEDIATE
PRODUCTION
TUBING
LINERS

MECHANICAL INTEGRITY TEST
Monitered well with a Barton Dry flow test meter with a chart for 20 minutes.
The undersigned certifies that the test was performed on 8-5-15, 20 and demonstrated mechanical integrity of the well. The test was witnessed by 6-avg Kennedy representing the Office of Oil and Gas.  8-5-15 Well Operator  Date
Signed Keverly Live Mul UIC PROGRAM DIRECTOR  Date
[NOTE: That the mechanical integrity of this well must be demonstrated again within ninety (90) days of five years from this date is order for injection to continue. Please notify the state inspector 24 hours in advance of the test].
Well Operator By: Its



START 1460#

END 1428#

20 MINUTES

Many Cos SISIS