

Pipelinac

WR-37  
REV. 5/01

Date: 1/20/2016

Operator's Well Number 096211

State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

API Well No.: 47-019-0510

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 Summers Street

Address \_\_\_\_\_

Charleston, WV 25302

GEOLOGICAL TARGET FORMATION U & L Weir Depth 2.524 feet(top) to 2664 feet(bottom)

Virgin reservoir pressure in target formation --- psig

Source of information on virgin reservoir pressure: ---

Perforation intervals 2.524-2.544, 2604-2614, 2624-2634, 2654-2664

Open-hole intervals none

MAXIMUM PERMITTED INJECTION OPERATIONS

Well head injection pressure: 190 psig

Bottom hole pressure: \_\_\_\_\_ psig

Volume per hour: \_\_\_\_\_

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED

Liquids to be injected for oil recovery: no changes

Wastes to be disposed of: Existing Well, no changes

Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.) no changes

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL no changes

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	_____	_____	_____	_____	_____	_____	_____	_____	_____
FRESH WATER	_____	_____	_____	_____	_____	_____	_____	_____	_____
COAL	_____	_____	_____	_____	_____	_____	_____	_____	_____
INTERMEDIATE	_____	_____	_____	_____	_____	_____	_____	_____	_____
PRODUCTION TUBING	_____	_____	_____	_____	_____	_____	_____	_____	_____
LINERS	_____	_____	_____	_____	_____	_____	_____	_____	_____

Received  
JAN 21 2016

Office of Oil and Gas  
WV Dept. of Environmental Protection

**MECHANICAL INTEGRITY TEST**

Test Method: NOTE - EQT is requesting a drop in the Maximum Well Head Injection Pressure from 535 psig to 190 psig.  
The MIT on the pipeline of well # 096211 was performed on 1/18/16. The pipeline pressured up to 290 psig and held for 20 minutes.  
Terry Urban with the WVDEP Office of Oil and Gas witnessed the test. The chart and test procedure are attached.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The undersigned certifies that the test was performed on 1/18/16, 20 16 and demonstrated mechanical integrity of the well. The test was witnessed by Terry Urban representing the Office of Oil and Gas.

Charles Shafer, Chuck Shafer  
Well Operator

1/20/16  
Date

**THIS WELL IS AUTHORIZED FOR INJECTION.**

Signed *[Signature]* UIC PROGRAM DIRECTOR

Date 2/2/16

[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].

Chuck Shafer  
Well Operator  
By: Chad Carmichael  
Its Senior Environmental Coordinator

**Received**  
JAN 21 2016  
Office of Oil and Gas  
WV Dept. of Environmental Protection



*Kermit Tyree Contracting*

6662 Aarons Fork Road

Elkview, WV 25071

Phone (304) 965-6197

January 18, 2016

EQT Corporation  
1710 Pennsylvania Ave.  
Charleston, WV 25302

Attention: Chuck Shafer

Reference: Disposal Line Test Lawson Hamilton # 3  
Permit Number 47-019-00510

Chuck:

Here is the report of what we did on site at the Lawson Hamilton # 3 disposal well permit number 47-019-00510.

Arrive at the well site, held a tailgate safety meeting, replaced 2 two inch valves, hook up pressure recorder and pressure gauge.

Pressure disposal line using nitrogen to 290 PSI held pressure on the line for 20 minutes.

DEP Inspector Terry Urban was on site for the test.

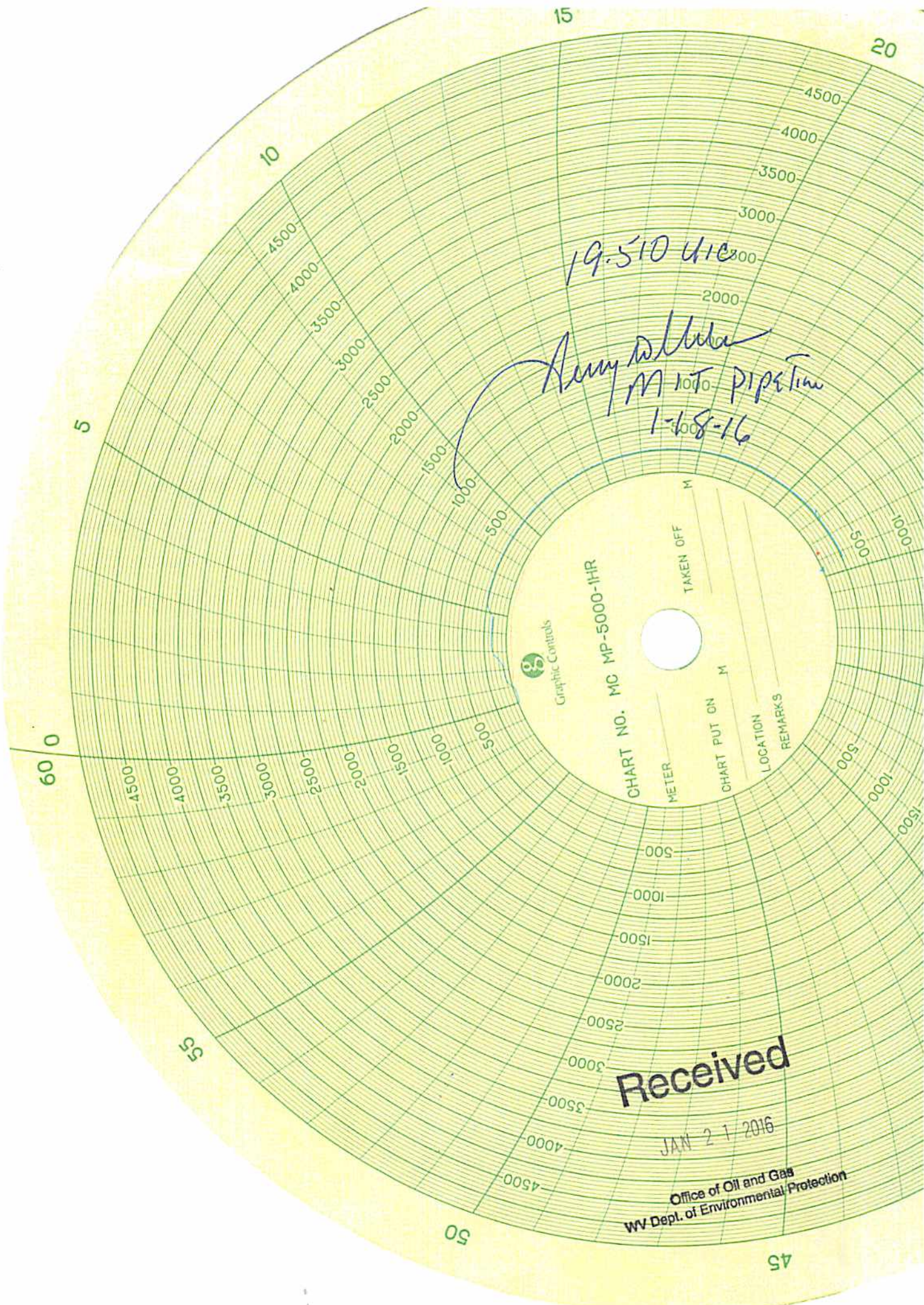
If you have any questions, please call me at (304) 543-7338.

Sincerely,  
Rod Dillon

**Received**

JAN 21 2016

Office of Oil and Gas  
WV Dept. of Environmental Protection



19.510 UIC

Army ~~Water~~  
MIT Pipeline  
1-18-16



CHART NO. MC MP-5000-1HR

METER \_\_\_\_\_ TAKEN OFF \_\_\_\_\_ M

CHART PUT ON \_\_\_\_\_ M

LOCATION \_\_\_\_\_

REMARKS \_\_\_\_\_

Received

JAN 21 2016

Office of Oil and Gas  
WV Dept. of Environmental Protection