

Date:

5/11/2012

Operator's Well Number

North Hill #1

State

County

Permit

API Well No.:

47-

019 - 00460

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

WELL OPERATOR Danny Webb Construction

DESIGNATED AGENT

Danny Webb

Address

P.O. Box 515

Address

Brenton, WV 24818

Same

GEOLOGICAL TARGET FORMATION *Weir*

Depth 2634 feet(top) to 2692 feet(bottom)

Virgin reservoir pressure in target formation 725 psig

Source of information on virgin reservoir pressure: Observed Surface Pressure Gauge

Perforation intervals 2636 - 2646, 2672 - 2686 Open-hole intervals None

MAXIMUM PERMITTED INJECTION OPERATIONS

Well head injection pressure: 791 psig

Bottom hole pressure: 2109 psig

Volume per hour:

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED

Liquids to be injected for oil recovery: Salt Water (Brine) From outside Production Wells

Wastes to be disposed of:

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

Corrosion inhibitors And Biocides to be determined upon Water Analysis of full Surface Facilities

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL None Required

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>H-40</u>	<u>52</u>	<u>✓</u>	<u>—</u>	<u>145</u>	<u>145</u>	<u>130 SK</u>	<u> </u>
FRESH WATER	<u>9 5/8"</u>	<u>K-55</u>	<u>36</u>	<u>✓</u>	<u>—</u>	<u>648</u>	<u>648</u>	<u>247 SK</u>	<u> </u>
COAL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
INTERMEDIATE	<u>7"</u>	<u>K-55</u>	<u>23</u>	<u>✓</u>	<u>—</u>	<u>1853</u>	<u>1853</u>	<u>215 SK</u>	<u> </u>
PRODUCTION	<u>4 1/2"</u>	<u>K-55</u>	<u>11.6</u>	<u>✓</u>	<u>—</u>	<u>3248</u>	<u>3248</u>	<u>94 SK</u>	<u> </u>
TUBING	<u>2 3/8"</u>	<u>K-55</u>	<u>4.7</u>	<u>✓</u>	<u>—</u>	<u>2652</u>	<u>2592</u>	<u> </u>	<u>Comp. Pak</u> <u>2576'</u>
LINERS	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

MECHANICAL INTEGRITY TEST

Test Method:

fluid - Pressure With Water
Raise Well Pressure from 0 to 1,350 PSI
Hold at 1,350 PSI for A period of 20 mins.

The undersigned certifies that the test was performed on 5-11-2012, 20 12 and demonstrated mechanical integrity of the well. The test was witnessed by Jamie Peters representing the Office of Oil and Gas.

Danny Webb Construction
Well Operator

5-11-2012

Date

THIS WELL IS AUTHORIZED FOR INJECTION.

Signed

Jamie Peters

UIC PROGRAM DIRECTOR

Date

5/11/12

[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].

Danny Webb
Well Operator
By: Danny Webb
Its President

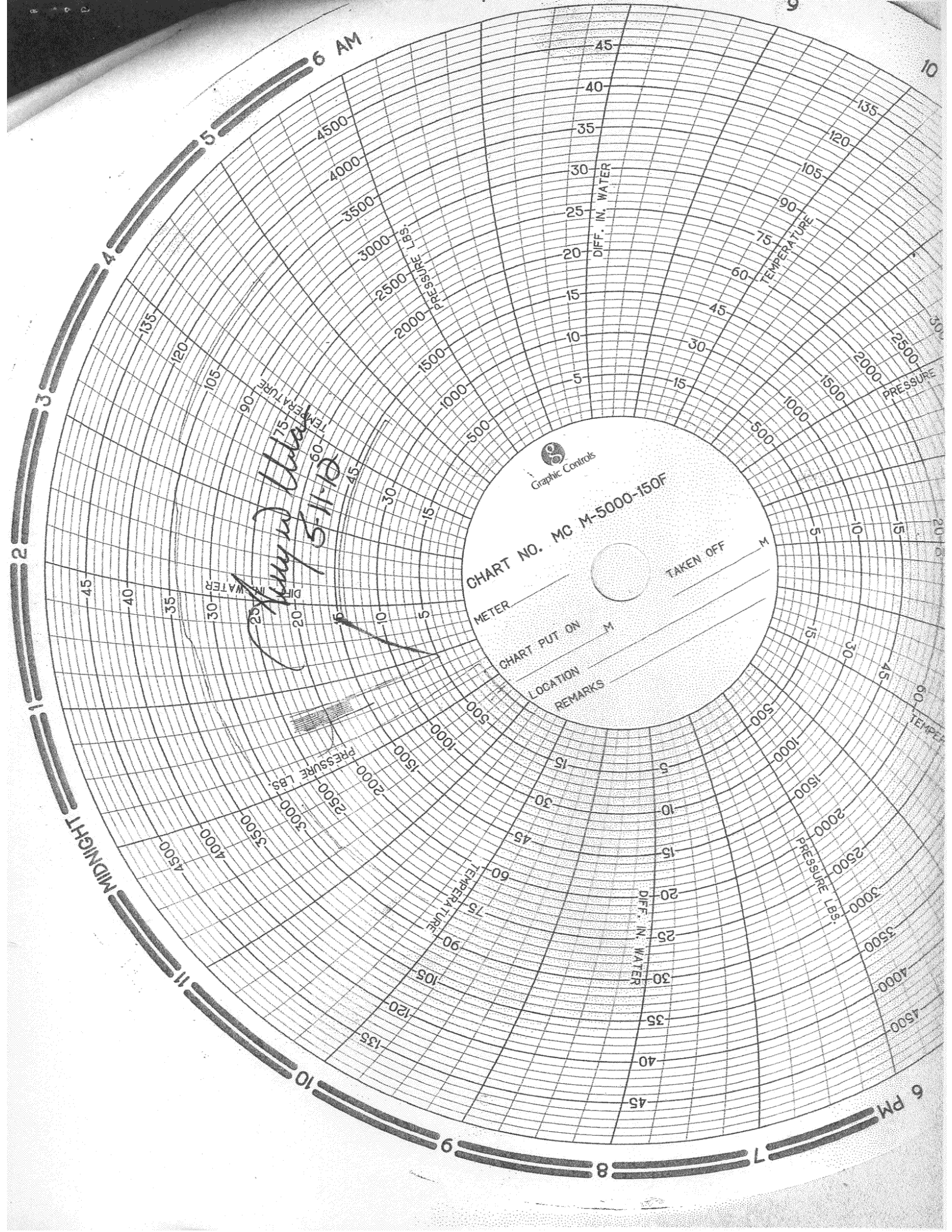


CHART NO. MC M-5000-150F

METER

CHART PUT ON

LOCATION

REMARKS

TAKEN OFF

Henry W. Ulat
15-11-13