UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
STANDARD ANNULAR PRESSURE TEST

Operator	TERRA OF BREITBURN OPER	State Permit Number	46594
Address		EPA Permit Number	MI-119-2D-0051
	GAYLORD, MI	Date of Test	8/21/2013
Well Name & Number	SHIELD D4-36	Well Type	2D

Quarter	Quarter	Quarter	Section	Township	Range	Township Name	County	State
SW	SE	SE	36	31N	3E	HILLMAN	Montmorency	MI

GPS file number	Latitude	Longitude	Elevation
	45.03165	84.00619	

Company Representative	Bob Woodhouse.	Field Inspector	Sam H. Williams

GAUGE CERTIFICATION

Type Pressure Gauge WIKA } 4 inch face 600 psi full scale 5 psi increments
New Gauge? Yes ☒ No ☐ If no, date of calibration _____ Calibration certification submitted? Yes ☐ No ☒

TEST RESULTS

Time	0	15	30				
Annulus	320	320	320				
Tubing	VAC						

WELL STATUS

5 Year	☒	TD# 13-47
2 Year TA	☐	TD#
Rework after failure	☐	TD#
New Permit	☐	TD#
Enforcement Action	☐	TD#
Annual Class 1	☐	TD#

WELL CONFIGURATION

Casing Size	5½
Tubing Size	3½
Packer Type	ARROW 440
Packer set @	1351
Fluid Return (gal)	2± GAL.

Test Pressures: Max. Allowable Pressure Change: Initial test pressure x .03 9.6 psi
Test Pressure change ⊗ psi

Test Passed ☒ Test Failed ☐ : ***If failed test, well must shut in, no injection can occur, and USEPA must be contacted within 24 hours. Corrective action needs to occur, the well retested, and written authorization received before injection can recommence.***

COMMENT:

RECEIVED
SEP 03 2013
UIC BRANCH
EPA, REGION 5

Signature of Company Representative	Date
[signature]	8/21/2013
Signature of UIC Field Inspector	Date
Sam H Williams	Aug. 21, 2013