



ANNULAR PRESSURE TEST

By authority of Part 615 or Part 625 of Act 451 PA 1994, as amended. Non-submission and/or falsification of this information may result in fines and/or imprisonment.

Permit Number M452 MI-163-1W-C0010	
Well name & No. EDS 1-12	
Surface location SW 1/4 of NW 1/4 of SE 1/4, Section 12 T 03S R 09E	
Name and address of permittee RDD Investment Corporation 28470 Citrin Drive Romulus, MI 48174	Township County Romulus Wayne
Well type Part 615 <input type="checkbox"/> Secondary recovery <input type="checkbox"/> Brine disposal Part 625 <input checked="" type="checkbox"/> Waste disposal <input type="checkbox"/> Solution mining	
Date of test 3/29/2012	Casing Tubing 7" at 4080 feet 4.5" fiberglass
Type of gauge ROSEMOUNT MODEL 30051AFM5 S/N 0058973	Packer type/model Packer depth GPS Model 12 4066
inch face DIGITAL psi range 0-4000	Type of non-corrosive inhibited brine liquid in the annulus
New gauge <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No if no, enter date of test calibration 10/22/2006	Maximum allowed injection pressure 765 psi
Average rate during injection	

TEST DATA

Time	Pressure readings (psig)		Time	Pressure readings (psig)	
	Annulus	tubing		Annulus	tubing
0944	913	10			
0949	910				
0954	908				
0959	907				
1004	906	9			
1009	906				
1014	905				
1019	905				
1024	904				
1029	904				
1034	904				
1039	903				
1044	903				
1049	903				

Comments
**OBSERVED CHANGE 10 PSIG; 3% CHANGE: 27.4 PSIG. WELL DEMONSTRATES INTERNAL MECHANICAL INTEGRITY.
ANNULUS WAS PRESSURIZED TO ~914 PSIG AT 9:41 AM**

Certification if witnessed by DEQ representative:
Signature of DEQ employee *Raymond Vignaroch* Date **3/29/2012**

Certification if not witnessed by DEQ representative: "I state that I am authorized by said owner. This report was prepared under my supervision and direction. The facts stated herein are true, accurate and complete to the best of my knowledge."
Signature _____ Date _____



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By authority of Part 615 or Part 625 of Act 451 PA 1994, as amended. Non-submission and/or falsification of this information may result in fines and/or imprisonment.

Permit Number M453 MI-163-1W-C0011
Well name & No. EDS 2-12
Surface location SW 1/4 of NW 1/4 of SE 1/4, Section 12 T 03S R 09E
Township Romulus County Wayne
Well type: Part 615 [] Secondary recovery [] Brine disposal; Part 625 [X] Waste disposal [] Solution mining
Casing 7" at 3983 feet; Tubing 4.5" fiberglass
Packer type/model GPS Model 12; Packer depth 3965
Type of non-corrosive inhibited brine liquid in the annulus
Maximum allowed injection pressure 765 psi

Name and address of permittee RDD Investment Corporation, 28470 Citrin Drive, Romulus, MI 48174
Date of test 3/29/2012
Type of gauge ROSEMOUNT 300S1AFM5 S/N 0058975
inch face DIGITAL psi range 0-4000
New gauge [] Yes [X] No
if no, enter date of test calibration 10/22/2006
Average rate during injection

TEST DATA

Table with columns: Time, Annulus, tubing, Time, Annulus, tubing. Data rows from 0945 to 1050 showing pressure readings in psig.

Comments OBSERVED CHANGE : 16 psig ; 3% CHANGE 27.4 psig . WELL DEMONSTRATE INTERNAL MECHANICAL INTEGRITY ANNULUS WAS PRESSURIZED TO ~ 918 psig AT 9:42 am.

Certification if witnessed by DEQ representative:

Signature of DEQ employee Raymond Vignovich Date 3/29/2012

Certification if not witnessed by DEQ representative: I state that I am authorized by said owner. This report was prepared under my supervision and control. The facts stated herein are true, accurate and complete to the best of my knowledge.

Signature Date

MAIL TO: OFFICE OF GEOLOGICAL SURVEY
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
PO BOX 30258
LANSING MI 48909-7758



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

April 2, 2012

Mr. John Frost
RDD Operations LLC
28470 Citrin Drive
Romulus, Michigan 48174

Dear Mr. Frost:

SUBJECT: Mechanical Integrity Testing, EDS No. 1-12, Permit Number M452

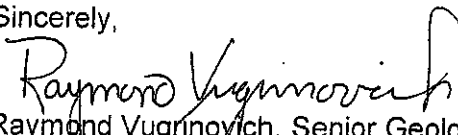
As required by R 299.2393, of the administrative rules promulgated under authority of Part 625, Mineral Wells, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, on Thursday, March 29, 2012, mechanical integrity testing on the subject well was conducted. I witnessed the test for the Department of Environmental Quality (DEQ). The test was not witnessed by a representative of the U.S. Environmental Protection Agency. Internal mechanical integrity was demonstrated using an annulus pressure test. The well was off line at the time of the test; it has been off line since October, 2006. The annulus was pressurized to about 914 psig at about 9:41 a.m. on March 30, 2012. I recorded the following annulus pressures:

<u>Time</u>	<u>Annulus Pressure (psig)</u>	<u>Time</u>	<u>Annulus Pressure (psig)</u>
09:44	913	10:19	905
09:49	910	10:24	904
09:54	908	10:29	904
09:59	907	10:34	904
10:04	906	10:39	903
10:09	906	10:44	903
10:14	905	10:49	903

The pressure change allowed by R 324.2391(1)(a) is 27.4 psig; total pressure change was 10 psig. Tubing pressure remained at approximately 10 psig throughout the test. Pressure was measured using a Rosemount digital pressure transducer permanently mounted on the wellhead, Model 300S1AFM5, Serial No. 0058973, pressure range 0 – 4000 psi; latest calibration was performed on October 22, 2006. The well demonstrates internal mechanical integrity. The pressure behavior was very similar to that during the test I witnessed in 2005.

If you have any questions, please contact me by mail at Department of Environmental Quality, Office of Oil, Gas, and Minerals, P.O. Box 30256, Lansing, MI 48909, by phone at 517-241-1532, or email at vugrinovich@michigan.gov.

Sincerely,


Raymond Vugrinovich, Senior Geologist
Petroleum and Mining Geology Unit

cc: Ms. Lisa Perenchio, EPA
Mr. Rick Henderson, DEQ
Mr. Lou Schineman, DEQ



DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

April 2, 2012

Mr. John Frost
RDD Operations LLC
28470 Citrin Drive
Romulus, Michigan 48174

Dear Mr. Frost:

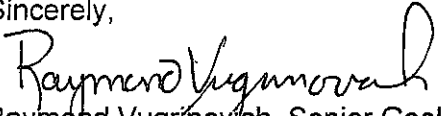
SUBJECT: Mechanical Integrity Testing, EDS No. 1-12, Permit Number M452

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Sincerely,

Raymond Vugrinovich, Senior Geologist
Petroleum and Mining Geology Unit
Office of Oil, Gas, and Minerals
Resource Management Division

cc: Ms. Lisa Perenchio, EPA
Mr. Rick Henderson, DEQ
Mr. Lou Schineman, DEQ