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FORM
21
Rev 9/14

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)-894-2100 Fax: (303)-894-2109

MECHANICAL INTEGRITY TEST

1. Duration of the pressure test must be a minimum of 15 minutes.
2. An original pressure chart must accompany this report if this test was not witnessed by a OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. New injection wells must be tested to maximum requested injection pressure.
5. For injection wells, test pressures must be at least 300 psig or average injection pressure, whichever is greater.
6. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
7. Do not use this form if submitting under provisions of Rule 326.a.(1) B. or C.
8. OGCC notification must be provided 10 days prior to the test via Form 42.
9. Packers or bridge plugs, etc., must be set within 100 feet of the perforated interval to be considered a valid test.

OGCC Operator Number: 10531
Name of Operator: Vanguard Operating
Address: 112 Red Feather Trail
City: Silt State: CO Zip: 81650
API Number: 05-045-18493 OGCC Facility ID Number: 159277
Well/Facility Name: Circle B Land Well/Facility Number: 33A-35-692
Location QtrQtr: NWSE Section: 35 Township: 6S Range: 92W Meridian: 6

Contact Name and Telephone

Aaron Axelson

No: (970) 230-0926

Email: aaxelson@vnrenergy.com

FOR OGCC USE ONLY

Document Number:

Date Received:

Complete the
Attachment Checklist

Oper OGCC

Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		
Inspection Number	693800	877

☐ SHUT-IN PRODUCTION WELL

☒ INJECTION WELL

Last MIT Date: 07/30/2014

Test Type:

☐ Test to Maintain SI/TA status

☒ 5- year UIC

☐ Reset Packer

☐ Verification of Repairs

☐ Annual UIC Test

Describe Repairs or Other Well Activities:

Casing Test

Use when perforations or open hole is isolated by bridge plug or cement plug; use if cased-hole only with plug back total depth.

Bridge Plug or Cement Plug Depth

Wellbore Data at Time of Test

Injection/Producing Zone(s): CZ-CR
Perforated Interval: 7542-7642
Open Hole Interval: NA

Tubing Casing/Annulus Test

Tubing Size: 2.875
Tubing Depth: 7342
Top Packer Depth: 7339
Multiple Packers? ☐ Yes ☒ No

Test Data

Test Date: 07/11/2019
Well Status During Test: Injecting
Casing Pressure Before Test: 4
Initial Tubing Pressure: 1663
Final Tubing Pressure: 1663

Casing Pressure Start Test: 2500
Casing Pressure - 5 Min.: 2500
Casing Pressure - 10 Min.: 2490
Casing Pressure Final Test: 2490
Pressure Loss or Gain During Test: ~10

Test Witnessed by State Representative?

☒ Yes ☐ No

OGCC Field Representative (Print Name):

Chuck Browning

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Aaron Axelson

Signed: Aaron Axelson Title: Sr. Production Foreman

Date: 07/11/2019

OGCC Approval: [Signature] Title: New Insp

Date: 07/11/2019

Conditions of Approval, if any: