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FORM 21 Rev 3/13

State of Colorado Oil and Gas Conservation Commission



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

FOR OGCC USE ONLY

MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested is a permitted or pending injection well. Send original plus one copy.

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

Complete the Attachment Checklist

OGCC Operator Number: 10380
Name of Operator: Benchmark Energy LLC
Address: PO Box 8747
City: Pratt State: KS Zip: 67124
Contact Name and Telephone: Jerry Nash
No: (316) 617-1147
Email: jerry@benchmarkenergy.us
API Number: 05-075-05972-00-00 Field Name: Graylin NW Field Number:
Well Name: NW Graylin D-Sand Unit Number: 20-W
Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE 12-8N-54W

Attachment Checklist table with columns for Oper and OGCC, and rows for Pressure Chart, Cement Bond Log, Tracer Survey, Temperature Survey, Other Report 1, Other Report 2.

SHUT-IN PRODUCTION WELL INJECTION WELL Facility No.: 219143

Part I. Pressure Test

- 5-Year UIC Test Test to Maintain SI/TA Status Reset Packer
Verification of Repairs Tubing/Packer Leak Casing Leak Other (Describe):

Describe Repairs:

Wellbore Data at Time of Test
Injection/Producing Zone(s): D-Sand
Perforated Interval: 4944-4948
Open Hole Interval: NA
Casing Test: NA

Tubing Casing/Annulus Test
Tubing Size: 2.875
Tubing Depth: 4948
Top Packer Depth: 4948
Multiple Packers?: No

Test Data
Test Date: 10-14-14
Well Status During Test: TA
Starting Casing Test Pressure: 620 psi
Casing Pressure - 5 Min.: 610
Casing Pressure - 10 Min.: 610
Final Casing Pressure: 610
Pressure Loss or Gain During Test: -10 psi
Test Witnessed by State Representative? Yes
OGCC Field Representative (Print Name): Kim Schure

Part II. Wellbore Channel Test

Complete only if well is or will be an injection well.

Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

- Tracer Survey CBL or Equivalent Temperature Survey
Run Date:

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

Print Name: Jerry Nash

Signed: Title: Managing Member Date:

OGCC Approval: Title: COGCC Date: 10-14-2014

Conditions of Approval, if any: