

FORM

21

Rev 08/14

State of Colorado

Oil and Gas Conservation Commission

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



Document Number:

401883697

Date Received:

07/24/2019

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 an 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. Written OGCC notification must be provided 10 days prior to the test via Form 42, Field Operations Notice
9. 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

OP OGCC

OGCC Operator Number: 10112 Contact Name Alyssa Beard
Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC Phone: (303) 244-8114
Address: 5057 KELLER SPRINGS RD STE 650
City: ADDISON State: TX Zip: 75001 Email: regulatory@foundationenergy.co
API Number: 05-123-19939 OGCC Facility ID Number: 256939
Well/Facility Name: SHOWERS Well/Facility Number: 5-4
Location QtrQtr: NWNW Section: 5 Township: 7N Range: 60W Meridian: 6

SHUT-IN PRODUCTION WELL [checked] INJECTION WELL [ ] Last MIT Date:
Test Type:
[checked] Test to Maintain SI/TA status [ ] 5-Year UIC [ ] Reset Packer
[ ] Verification of Repairs [ ] Annual UIC TEST
[ ] Describe Repairs or Other Well Activities:

Wellbore Data at Time of Test
Injection Producing Zone(s) JSND Perforated Interval 6950-6955 Open Hole Interval
Tubing Casing/Annulus Test
Tubing Size: 2.375 Tubing Depth: 6900 Top Packer Depth: 6900 Multiple Packers? [ ]
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 [ ]

Test Data (Use -1 for a vacuum)
Table with 5 columns: Test Date, Well Status During Test, Casing Pressure Before Test, Initial Tubing Pressure, Final Tubing Pressure.
Table with 5 columns: Casing Pressure Start Test, Casing Pressure - 5 Min., Casing Pressure - 10 Min., Casing Pressure Final Test, Pressure Loss or Gain.

Test Witnessed by State Representative? [ ] OGCC Field Representative [ ]

OPERATOR COMMENTS:

[Empty box for operator comments]

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

Signed: [Signature] Print Name: Alyssa Beard
Title: HSE Manager Email: regulatory@foundationenergy.com Date: 7/24/2019

Based on the information provided herein, this Notice (Form 21) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SUTPHIN, DIRK Date: 9/4/2019

CONDITIONS OF APPROVAL, IF ANY:

Going forward the Pressure versus Time plot must include the pressure run up, the test, and the pressure run down

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401883697	FORM 21 SUBMITTED
402120602	FORM 21 ORIGINAL
402120913	PRESSURE CHART

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Returned to Draft per operator request for corrections.	07/23/2019
Engineer	Returned to draft. 3/19/2019 , 4/25/2019 • The "Perforated Interval:" should match the records available on the Scout Card, or a Form 5A to correct the interval should be submitted concurrently with the Form 21. • The Pressure Chart attachment should include identifying information(well name, API#) • What depth was the CIBP/CICR(or other method of isolation) set to perform the mechanical integrity test? • Initial pressure cannot be ""0"" "	03/19/2019

Total: 2 comment(s)