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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

FOR OGCC USE ONLY

Document Number:

Date Received:

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. Injection wells tests must be 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 pressurees 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.

Complete the  
Attachment Checklist

Oper OGCC

OGCC Operator Number: 100322	Contact Name and Telephone ERICH ZWAAGSTRA
Name of Operator: NOBLE ENERGY INC	No: (970) 304-5122
Address: 1001 NOBLE ENERGY WAY	Email: ERICH.ZWAAGSTRA@NBLENERGY.COM
City: HOUSTON State: TX Zip: 77070	
API Number: 05-123-15520 OGCC Facility ID Number:	
Well/Facility Name: SANDAU	Well/Facility Number: 34-11F
Location QtrQtr: NESW Section: 34 Township: 4N Range: 66W Meridian: 6	

Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		
Inspection Number		

☒ SHUT-IN PRODUCTION WELL ☐ INJECTION WELL

Last MIT Date:

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  
CMT PLUG 6820-7236

Wellbore Data at Time of Test

Injection/Producing Zone(s)	Perforated Interval:	Open Hole Interval:
CODELL/NIORARA	7265-7279/6970-7280	

Tubing Casing/Annulus Test

Tubing Size: 2 3/8	Tubing Depth: 7238'	Top Packer Depth: N/A	Multiple Packers? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Test Data

Test Date 2/28/2018	Well Status During Test SHUT IN	Casing Pressure Before Test 18 PSI	Initial Tubing Pressure 465	Final Tubing Pressure 465
Casing Pressure Start Test 8:23 475 PSI	Casing Pressure - 5 Min. 470	Casing Pressure - 10 Min. 467	Casing Pressure Final Test 465	Pressure Loss or Gain During Test -10

Test Witnessed by State Representative?

☐ Yes ☒ No

OGCC Field Representative (Print Name):

Initial Surface Casing Psi 5 min 10 min 15 min

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

Print Name: ERICH ZWAAGSTRA

Signed: [Signature] Title: SENIOR COMPLETIONS FOREMAN Date: 2/28/18

OGCC Approval: Title: Date:

Conditions of Approval, if any: