

**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:  
401762453  
Date Received:  
11/27/2018

**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: <u>96155</u>	Contact Name: <u>Edmond Hagen</u>		
Name of Operator: <u>WHITING OIL &amp; GAS CORPORATION</u>	Phone: <u>(970) 380-7134</u>		
Address: <u>1700 BROADWAY STE 2300</u>			
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80290</u>	Email: <u>edmond.hagen@whiting.com</u>
API Number : 05- <u>123-15596</u>		OGCC Facility ID Number: <u>247798</u>	
Well/Facility Name: <u>NELSON RANCHES</u>		Well/Facility Number: <u>C-1</u>	
Location QtrQtr: <u>NWSE</u>	Section: <u>18</u>	Township: <u>10N</u>	Range: <u>58W</u> Meridian: <u>6</u>

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: \_\_\_\_\_

Wellbore Data at Time of Test				<b>Casing Test</b> 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 <div style="border: 1px solid black; padding: 2px; display: inline-block;">6571</div>
Injection Producing Zone(s)	Perforated Interval	Open Hole Interval		
DSND	6646-6654			
Tubing Casing/Annulus Test				
Tubing Size:	Tubing Depth:	Top Packer Depth:	Multiple Packers?	
			<input type="checkbox"/>	

Test Data (Use -1 for a vacuum)				
Test Date	Well Status During Test	Casing Pressure Before Test	Initial Tubing Pressure	Final Tubing Pressure
11-12-2018	SHUT -IN	0		
Casing Pressure Start Test	Casing Pressure - 5 Min.	Casing Pressure - 10 Min.	Casing Pressure Final Test	Pressure Loss or Gain
391	390	389	388	

Test Witnessed by State Representative?       OGCC Field Representative \_\_\_\_\_

**OPERATOR COMMENTS:**

Con't from MIT test  
20 Minute reading: 388.3  
25 Minute reading: 388.0  
30 Minute reading: 387.7

The attached data logger shows 30 min test.

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

Signed: \_\_\_\_\_      Print Name: Pauleen Tobin  
Title: Engineer Tech      Email: pollyt@whiting.com      Date: 11/27/2018

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

COGCC Approved: Daigle, Ryan

Date: 12/17/2018

**CONDITIONS OF APPROVAL, IF ANY:**

- A Form 5A will be submitted for all plugs set downhole and not removed

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
401762453	FORM 21 SUBMITTED
401844380	MECHANICAL INTEGRITY TEST
401844381	FORM 21 ORIGINAL
401851485	FORM 21 ORIGINAL

Total Attach: 4 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	Returned to draft; Form 21-Original is corrupt-corrected. <ul style="list-style-type: none"><li>• Field staff was contacted, packer is within the permissible distance from the perforated interval portion of the wellbore, chart is included, pressure remained within acceptable parameters.</li><li>• Operator was notified to follow the requirements for Pressure Chart attachment</li></ul>	11/26/2018

Total: 1 comment(s)