

State of Colorado  
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

## BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.  
Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.  
Step 3. Conduct Bradenhead test.  
Step 4. Conduct intermediate casing test.  
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number:	2. Name of Operator: <u>Foundation Energy</u>	3. BLM Lease No:	11. Date of Test: <u>8-15-19</u>
4. API Number:	5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12. Well Status: <input type="checkbox"/> Flowing <input type="checkbox"/> Shut In	<input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Injection
6. Well Name: <u>WICKSFOM</u>	Number: <u>6-5</u>	<input type="checkbox"/> Clock/Intermittent	<input type="checkbox"/> Plunger Lift
7. Location (Dir/Qtz, Sec, Twp, Rng, Meridian):	8. County:	9. Field Name:	13. Number of Casing Strings:
10. Minerals: <input type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			<input type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?
14. STEP 1: EXISTING PRESSURES			
Record all pressures as found	Tubing: <u>40</u> Fm:	Tubing: <u>37</u> Fm:	Prod. Casing: <u>37</u> Intermediate Csg: <u>37</u> Surface Casing: <u>0</u>
15. STEP 2: See instructions above.			

15. STEP 3: BRADENHEAD TEST					
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas					
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid					
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other: (describe)					
Sample cylinder number:					
Elapsed Time (Min:Sec)	Fm: Tubing	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	<u>40</u>		<u>37</u>		<u>0</u>
05:	<u>40</u>		<u>38</u>		<u>0</u>
10:	<u>42</u>		<u>39</u>		<u>0</u>
15:	<u>42</u>		<u>40</u>		<u>0</u>
20:					
25:					
30:					
Note instantaneous Bradenhead PSIG at end of test: >					

17. STEP 4: INTERMEDIATE CASING TEST					
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No					
With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below: D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas					
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid					
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other: (describe)					
Sample cylinder number:					
Elapsed Time (Min:Sec)	Fm: Tubing	Fm:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
00:					
05:					
10:					
15:					
20:					
25:					
30:					
Note instantaneous Intermediate Casing PSIG at end of test: >					
18. Comments:					

19. STEP 5: See instructions above.

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

Test Performed by: Scott Field Title: Foreman Phone: 303-887-2781  
Signed: [Signature] Title: Date: 8-15-19  
WITNESSED BY: Title: Agency: