

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: _____	11. Date of Test: 5/26/20
2. Name of Operator: COGCC (OWP)	12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut In
3. BLM Lease No: _____	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection
4. API Number: 05-103-10972	<input type="checkbox"/> Clock/Intermittent
5. Multiple completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Plunger Lift
6. Well Name: Lake (OWP) Number: 6-22	13. Number of Casing Strings: <input type="checkbox"/> Two <input checked="" type="checkbox"/> Three <input type="checkbox"/> Liner?
7. Location (CtrQtr, Sec, Twp, Rng, Meridian): SENW Sec 22, T1N, R95W, 6 PM	
8. County: Rio Blanco	
9. Field Name: Powell Park	
10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian	
14. STEP 1: EXISTING PRESSURES	
Record all pressures as found	15. STEP 2: See instructions above.
Tubing: _____	
Fm: _____	
Tubing: _____	
Fm: Unk	
Prod. Casing: 63	
Fm: _____	
Intermediate Csg: -5.6	
Fm: _____	
Surface Casing: Unk	
Fm: _____	

16. STEP 3: BRADENHEAD TEST						
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: _____	Fm: _____	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
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: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	00:	Tubing: _____	Tubing: _____			
	05:					
	10:					
	15:					
	20:					
	25:					
30:						
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	Note instantaneous Bradenhead PSIG at end of test: >					
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: _____						

17. STEP 4: INTERMEDIATE CASING TEST						
Buried valve? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: _____	Fm: _____	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
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: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	00:	Tubing: _____	Tubing: _____			
	05:					
	10:					
	15:					
	20:					
	25:					
30:						
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	Note instantaneous Intermediate Casing PSIG at end of test: >					
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: _____						

18. Comments: *Notes assume there is a deeper, buried bradenhead valve that was inaccessible during site visit. Produced water actively leaking from production casing valve upon arrival. Conductivity of water was 6,000 uS/cm. Dig down to intermediate casing valve. Intermediate casing is on a vacuum so no intermediate casing test conducted. Tubing requires a 2.25" fitting. Significant excavation would be necessary to expose bradenhead valve and allow for test.
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## 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: Jacob Harter Title: Cottonwood Consulting Phone: 970-946-3761

Signed: Jacob Harter Title: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESSED BY: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_