

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: <u>10722</u>	11. Date of Test: <u>7/12/21</u>
2. Name of Operator: <u>KTM Operating</u>	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: <u>01306316</u>	<input type="checkbox"/> Clock/Intermittent
5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Plunger Lift
6. Well Name: <u>Craig</u>	13. Number of Casing Strings:
7. Location (Qtr Qtr, Sec, Twp, Rng, Meridian): <u>SWSE 34 13S 55W6</u>	<input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?
8. County: <u>Lincoln</u>	
9. Field Name: <u>Bolero</u>	
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	Tubing: Fm: <u>Chadler</u>	Tubing: Fm:	Prod. Casing: Fm: <u>15</u>	Intermediate Ceg:
				Surface Casing: <u>Ø</u>
15. STEP 2: See instructions above.				

16. 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	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG
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 = Whimper; S = Surge; G = Gas		00:	<u>Ø</u>		<u>15</u>
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		05:			
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black		10:			
<input type="checkbox"/> Other: (describe) <u>NA</u>		15:			
Sample cylinder number:		20:			
		25:			
		30:			
Note instantaneous Bradenhead PSIG at end of test:					<u>&gt;</u>

17. STEP 4: INTERMEDIATE CASING TEST					
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Confirmed open? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG
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 = Whimper; S = Surge; G = Gas		00:			
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		05:			
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black		10:			
<input type="checkbox"/> Other: (describe)		15:			
Sample cylinder number:		20:			
		25:			
		30:			
Note instantaneous Intermediate Casing PSIG at end of test:					<u>&gt;</u>
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: Chris Title: \_\_\_\_\_ Phone: \_\_\_\_\_

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESSED BY: Brian Sherman Title: Field Inspector Agency: OGCC