

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

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:	3. BLM Lease No:
2. Name of Operator: <u>CAELUS</u>	
4. API Number: <u>05-045-07009</u>	5. Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No
6. Well Name: <u>COUSA 18-10 (TIE)</u>	Number:
7. Location (Qtr, Sec, Twp, Rng, Meridian): <u>NWSE Sec 18, T25, R92W</u>	9. Field Name: <u>Amman Creek</u>
8. County:	
10. Minerals: <input type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian	
11. Date of Test: <u>9/10/2020</u>	
12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut In <input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection <input type="checkbox"/> Clock/Intermitter <input checked="" type="checkbox"/> Plunger Lift	
13. Number of Casing Strings: <input type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?	

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: Fm: <u>188</u>	Tubing: Fm:	Prod. Casing: Fm: <u>295</u>	Intermediate Csg: Fm:	Surface Casing: Fm: <u>56</u>
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15. **STEP 2: See instructions above.**

16. **STEP 3: BRADENHEAD TEST**

Buried valve? Yes No Confirmed open? Yes 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:
O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm:		Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
	Tubing:	Tubing:			
00:					
05:	<u>14:15</u>	<u>188</u>	<u>295</u>		<u>56/H</u>
10:	<u>14:20</u>	<u>190</u>	<u>295</u>		<u>1/H</u>
15:	<u>14:25</u>	<u>192</u>	<u>295</u>		<u>3/H</u>
20:	<u>14:30</u>	<u>193</u>	<u>296</u>		<u>3/H</u>
25:	<u>14:35</u>	<u>195</u>	<u>296</u>		<u>5H</u>
30:	<u>14:40</u>	<u>196</u>	<u>296</u>		<u>V</u>
	<u>14:45</u>	<u>198</u>	<u>296</u>		<u>V</u>

BRADENHEAD SAMPLE TAKEN? Yes No Gas Liquid

Character of Bradenhead fluid: Clear Fresh
 Sulfur Salty Black
 Other: (describe)

Sample cylinder number:

Note instantaneous Bradenhead PSIG at end of test: >

17. **STEP 4: INTERMEDIATE CASING TEST**

Buried valve? Yes No Confirmed open? Yes 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:
O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm:		Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
	Tubing:	Tubing:			
00:					
05:					
10:					
15:					
20:					
25:					
30:					

INTERMEDIATE SAMPLE TAKEN? Yes No Gas Liquid

Character of Intermediate fluid: Clear Fresh
 Sulfur Salty Black
 Other: (describe)

Sample cylinder number:

Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments: Brought fluid instantly on first initial test on 9/9/2020 - Brought up approx. 20 gal. of water on 9/10/2020.

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: Jeremiah Crawford Title: Production Foreman Phone: 970-309-3427
Signed: [Signature] Title: _____ Date: 9/10/2020
WITNESSED BY: _____ Title: _____ Agency: _____