

FORM  
17  
Rev  
11/20



Document Number:

**BRADENHEAD TEST REPORT**

Step 1. Before opening any valves, record all tubing and casing pressures as found.  
 Step 2. Collect liquid and gas samples as required; consult Bradenhead Testing and Reporting Instructions and Guidance for field specific Orders at <http://cogcc/reg.html#opguidance>  
 Step 3. Conduct Bradenhead test.  
 Step 4. Submit Form 17 within 10 days of test. Attach a wellbore diagram if not previously submitted or if wellbore configuration has changed since last wellbore diagram was submitted.  
 Step 5. Submit sample analytical results via Form 43.

1. OGCC Operator Number: \_\_\_\_\_ 3. BLM Lease No: \_\_\_\_\_  
 2. Name of Operator: Citation  
 4. API Number; 05-017-00765 5. Multiple completion? Yes No  
 6. Well Name: Frontier Well Number: 23-17 #15  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): \_\_\_\_\_  
 8. County \_\_\_\_\_ 9. Field Name: \_\_\_\_\_  
 10. Minerals: Fee State Federal Indian

11. Date of Test: 5-17-25  
 12. Well Status:  Flowing  
 Shut In  Gas Lift  
 Pumping  Injection  
 Clock/Intermittent  
 Plunger Lift

13. Number of Casing Strings:  
 Two Three Liner?

**14. EXISTING PRESSURES**

Record all pressures as found	Tubing: <u>10</u>	Tubing: _____	Prod Csg <u>25</u>	Intermediate	Surf. Csg
	Fm: _____	Fm: _____	Fm: _____	Csg: _____	<u>0</u>

**BRADENHEAD TEST**

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.  
 Describe character of flow in "Bradenhead Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper  
 Describe fluid type in "Bradenhead Fluid" column: H = Water H<sub>2</sub>O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None

Buried valve? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Confirmed open? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	BRADENHEAD SAMPLE TAKEN? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input type="checkbox"/>	Character of Bradenhead fluid: Clear Fresh Sulfur Salty Black Other:(describe)	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
				0	10		25		O	N
				5	25		27		O	N
				10	10		25		O	N
				15	5		25		O	N
				20	30		25		O	N
				25	50		25		O	N
				30	10		25		O	N

Instantaneous Bradenhead PSIG at end of test: > 0

*BMD Dead on arrival, pressure active during test.*

## INTERMEDIATE CASING TEST

With gauges monitoring production, intermediate casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals.

Describe character of flow in "Intermediate Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper  
 Describe fluid type in "Intermediate Fluid" column: H = Water H2O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None.

Buried valve?      Yes                  No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:
Confirmed open?      Yes                  No		□	□	□			
INTERMEDIATE SAMPLE TAKEN? Yes      No      Gas      Liquid		□	□	□			
		□	□	□			
Character of Intermediate fluid:  Clear      Fresh Sulfur      Salty                  Black Other:(describe)  _____		□	□	□			
		□	□	□			
		□	□	□			
		□	□	□			
Instantaneous Intermediate Casing PSIG at end of test: > _____							

Comments:

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

Test Performed By: Devin Zderic      Title: Env. Consultant      Phone: (1) 915-539-8401  
 Signed: [Signature]      Title: \_\_\_\_\_      Date: 5-19-25  
 Witnessed By: \_\_\_\_\_      Title: \_\_\_\_\_      Agency: \_\_\_\_\_