

**State of Colorado**  
**Oil and Gas Conservation Commission**

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Document Number:  
403372489

**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: 96850 3. BLM Lease No: \_\_\_\_\_  
2. Name of Operator: TEP ROCKY MOUNTAIN LLC  
4. API Number; 05-045-10180-00 5. Multiple completion? ☐ Yes ☐ No  
6. Well Name: FEDERAL Number: RWF 13-19  
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW,19,6S,94W,6  
8. County GARFIELD 9. Field Name: RULISON  
10. Minerals: ☐ Fee ☐ State ☒ Federal ☐ Indian

11. Date of Test: 04/10/2023

12. Well Status: ☐ Flowing  
☐ Shut In ☐ Gas Lift  
☐ Pumping ☐ Injection  
☐ Clock/Intermitter  
☒ Plunger Lift

13. Number of Casing Strings:  
☒ Two ☐ Three ☐ Liner?

**14. EXISTING PRESSURES**

Record all pressures as found	Tubing: 165 Fm: _____	Tubing: _____ Fm: _____	Prod Csg 171 Fm: _____	Intermediate Csg: _____	Surf. Csg 340
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**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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	00:00	165		171		CONTINUOUS	GAS
BRADENHEAD SAMPLE TAKEN?	05:00	116		157		DOWN TO 0	GAS
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	10:00	115		152		WHISPER	GAS
Character of Bradenhead fluid:	15:00	145		150		WHISPER	GAS
<input type="checkbox"/> Clear <input type="checkbox"/> Fresh	20:00	153		156		NO FLOW	NONE
<input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black	25:00	155		159		NO FLOW	NONE
Other:(describe)	30:00	155		160		NO FLOW	NONE
REQUIRED - Instantaneous Bradenhead Pressure at End of Test: 0 PSIG							

## 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 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? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:
	00:00						
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00						
	10:00						
	15:00						
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____	20:00						
	25:00						
	30:00						
	REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: _____ PSIG						

Comments: This is an annual bradenhead test that was performed on day six of the seven-day shut-in period due to the bradenhead exceeding the threshold pressure. The bradenhead is connected to the sales separator with an approved pressure management plan. The test was performed through a 2" valve.

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

Test Performed By: <u>JR Velazquez</u>	Title: <u>Inspector</u>	Phone: <u>(970) 440-0063</u>
Signed: <u>Scott Ghan</u>	Title: <u>Sr. Regulatory Specialist</u>	Date: <u>4/13/2023</u>
Witnessed By: _____	Title: _____	Agency: _____