

**State of Colorado**  
**Energy & Carbon Management Commission**



Document Number:  
403628955

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**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: 3104      3. BLM Lease No: \_\_\_\_\_  
 2. Name of Operator: ANSCHUTZ EXPLORATION CORP  
 4. API Number; 05-103-12289-00      5. Multiple completion?     Yes     No  
 6. Well Name: Road Runner Fed      Number: 0397-23-14-2 NH  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE,23,3N,97W,6  
 8. County RIO BLANCO      9. Field Name: WILDCAT  
 10. Minerals:     Fee     State     Federal     Indian

11. Date of Test: 12/09/2023  
 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: <u>420</u> Fm: _____	Tubing: _____ Fm: _____	Prod Csg <u>1042</u> Fm: _____	Intermediate Csg: <u>0</u>	Surf. Csg <u>0</u>
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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 Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
	00:00	420		1042	0	NO FLOW	NONE
	05:00	419		1042	0	NO FLOW	NONE
	10:00	423		1043	0	NO FLOW	NONE
	15:00	419		1043	0	NO FLOW	NONE
	20:00	414		1044	0	NO FLOW	NONE
	25:00	418		1042	0	NO FLOW	NONE
	30:00	417		1043	0	NO FLOW	NONE
REQUIRED - Instantaneous Bradenhead Pressure at End of Test: <u>0</u> 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 checked="" type="checkbox"/> No Confirmed open? <input checked="" 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	426		1043	0	NO FLOW	NONE
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	419		1043	0	NO FLOW	NONE
	10:00	419		1042	0	NO FLOW	NONE
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) _____	15:00	423		1043	0	NO FLOW	NONE
	20:00	419		1042	0	NO FLOW	NONE
	25:00	418		1043	0	NO FLOW	NONE
	30:00	426		1043	0	NO FLOW	NONE
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: <u>0</u> PSIG							

Comments:   Started with both intermediate casing and bradenhead at 0 PSI.

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

Test Performed By:   Donovan Pacheco   Title:   Lease Operator   Phone:   (970) 683-1750  
 Signed:   Lauren Morahan   Title:   Regulatory Analyst   Date:   12/19/2023  
 Witnessed By:   \_\_\_\_\_   Title:   \_\_\_\_\_   Agency:   \_\_\_\_\_