

State of Colorado
Energy & Carbon Management Commission



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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: 10254 3. BLM Lease No: _____
 2. Name of Operator: RED MESA HOLDINGS/O&G LLC
 4. API Number; 05-067-06776-00 5. Multiple completion? Yes No
 6. Well Name: HERRERA (OWP) Number: 5
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE,23,33N,12W,N
 8. County LA PLATA 9. Field Name: RED MESA
 10. Minerals: Fee State Federal Indian

11. Date of Test: 08/23/2023
 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>1</u> Fm: _____	Tubing: _____ Fm: _____	Prod Csg <u>4</u> Fm: _____	Intermediate Csg: <u>4</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 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? <input checked="" type="checkbox"/> Yes <input 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:
	00:03	1		4	4	DOWN TO 0	GAS
	05:00	1		4	4	NO FLOW	NONE
	10:00	1		4	4	NO FLOW	NONE
	15:00	1		4	4	NO FLOW	NONE
	20:00						
	25:00						
	30:00						
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 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? <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:
Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	00:30	1		2		CONTINUOUS	GAS
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	1		0		WHISPER	GAS
	10:00	1		0		WHISPER	GAS
	15:00	1		0		WHISPER	GAS
	20:00	1		0		WHISPER	GAS
	25:00	1		0		WHISPER	GAS
30:00	1		0		WHISPER	GAS	
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) _____ _____ _____							
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: <u>0</u> PSIG							

Comments: Bradenhead - flow of gas for approx. 3 seconds when bradenhead valve was opened. No flow after 3 seconds.
Intermediate - flow of gas for approx. 30 seconds when valve was opened. Flowed whisper of gas from 30 seconds to > 30 minutes. Intermediate appears to be in direct communication with production casing.

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

Test Performed By: Jacob Harter Title: Consultant Phone: () 970-946-3761
 Signed: Jacob Harter Title: Consultant Date: 8/28/2023
 Witnessed By: _____ Title: _____ Agency: _____