

FORM
17
Rev
11/20

State of Colorado
Energy & Carbon Management Commission



Document Number:
403512788

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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; 05-067-06632-00 5. Multiple completion? Yes No
 6. Well Name: HERRERA (OWP) Number: 4
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNE,26,33N,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>223</u> Fm: _____	Tubing: _____ Fm: _____	Prod Csg <u>150</u> Fm: _____	Intermediate Csg: <u>149</u>	Surf. Csg <u>22</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

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:	
03:00	223		150	149	CONTINUOUS	GAS	
05:00	223		150	149	WHISPER	GAS	
10:00	223		150	149	WHISPER	GAS	
15:00	223		150	149	WHISPER	GAS	
20:00	223		150	149	WHISPER	GAS	
25:00	223		150	149	WHISPER	GAS	
30:00	223		150	149	WHISPER	GAS	
REQUIRED - Instantaneous Bradenhead Pressure at End of Test:						<u>17</u>	PSIG

Buried valve? Yes No
 Confirmed open? Yes No
 BRADENHEAD SAMPLE TAKEN?
 Yes No Gas Liquid
 Character of Bradenhead fluid:
 Clear Fresh
 Sulfur Salty Black
 Other:(describe)

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 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	223		149		CONTINUOUS	GAS	
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	223		165		CONTINUOUS	GAS	
	10:00	223		170		CONTINUOUS	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) _____	15:00	223		172		CONTINUOUS	GAS	
	20:00	223		173		CONTINUOUS	GAS	
	25:00	223		173		CONTINUOUS	GAS	
	30:00	223		175		CONTINUOUS	GAS	
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test:							132	PSIG

Comments: Bradenhead - Flow of gas for approx. 3 minutes when valve was opened. Flowed whisper of gas from 3 minutes to >30 minutes. Intermediate - Flow of gas for >30 minutes when valve was opened. Intermediate appears to be 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: _____