

**FORM**  
**17**  
Rev  
11/20

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:  
402878621

**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: 10683      3. BLM Lease No: \_\_\_\_\_  
 2. Name of Operator: HRM RESOURCES III LLC  
 4. API Number; 05-081-07450-00      5. Multiple completion?     Yes     No  
 6. Well Name: SPARKS RIDGE UNIT      Number: 2 H  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW,7,11N,101W,6  
 8. County MOFFAT      9. Field Name: SAND WASH HORIZONTAL MANCOS  
 10. Minerals:     Fee     State     Federal     Indian

11. Date of Test: 11/18/2021  
 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>38</u> Fm: <u>BXTR</u>	Tubing: _____ Fm: _____	Prod Csg <u>689</u> Fm: <u>BXTR</u>	Intermediate Csg: <u>0</u>	Surf. Csg <u>110</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 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	BXTR 38		689	0	NO FLOW	NONE
<b>BRADENHEAD SAMPLE TAKEN?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	BXTR 38		689	0	NO FLOW	NONE
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) No Fluid	10:00	BXTR 38		689	0	NO FLOW	NONE
	15:00	BXTR 38		689	0	NO FLOW	NONE
	20:00	BXTR 38		689	0	NO FLOW	NONE
	25:00	BXTR 38		689	0	NO FLOW	NONE
	30:00	BXTR 38		689	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	BXTR 38		689	0		NONE
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	BXTR 38		689	0		NONE
	10:00	BXTR 38		689	0		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) _____ No Fluid _____	15:00	BXTR 38		689	0		NONE
	20:00	BXTR 38		689	0		NONE
	25:00	BXTR 38		689	0		NONE
	30:00	BXTR 38		689	0		NONE
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: <u>0</u> PSIG							

Comments:

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

Test Performed By: Terry Pape                      Title: VP Operations                      Phone: (970) 768-5700

Signed: Gina Payne                                      Title: Regulatory Manager                      Date: 11/24/2021

Witnessed By: \_\_\_\_\_                      Title: \_\_\_\_\_                      Agency: \_\_\_\_\_