

FORM
17
Rev
11/20

State of Colorado
Energy & Carbon Management Commission



Document Number:
404453155

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

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://ecmc/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. ECMC Operator Number: 81490 3. BLM Lease No: _____
 2. Name of Operator: ST CROIX OPERATING INC
 4. API Number; 05-121-10618-00 5. Multiple completion? Yes No
 6. Well Name: VOLBERDING FARMS Number: 7-1
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW,7,2S,51W,6
 8. County WASHINGTON 9. Field Name: HAMMER HEAD
 10. Minerals: Fee State Federal Indian

11. Date of Test: 11/26/2025
 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>25</u> Fm: <u>JSND</u>	Tubing: _____ Fm: _____	Prod Csg <u>25</u> Fm: <u>JSND</u>	Intermediate Csg: _____	Surf. Csg <u>0</u>
-------------------------------	--------------------------------------	----------------------------	---------------------------------------	----------------------------	-----------------------

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:
00:00	JSND 25		25		NO FLOW	NONE
05:00	JSND 25		25		NO FLOW	NONE
10:00	JSND 25		25		NO FLOW	NONE
15:00	JSND 25		25		NO FLOW	NONE
20:00	JSND 25		25		NO FLOW	NONE
25:00	JSND 25		25		NO FLOW	NONE
30:00	JSND 25		25		NO FLOW	NONE
REQUIRED - Instantaneous Bradenhead Pressure at End of Test: <u>0</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 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 type="checkbox"/> Yes <input type="checkbox"/> No	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							
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							
	20:00							
	25:00							
	30:00							
REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: _____							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: Ryan Dornbos Title: Petroleum Engineer Phone: (970) 669-7411

Signed: Ryan Dornbos Title: Petroleum Engineer Date: 11/26/2025

Witnessed By: _____ Title: _____ Agency: _____