



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: 11-2-24
 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>
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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:
00:00	<u>25</u>		<u>25</u>		<u>0</u>	
05:00	<u>25</u>		<u>25</u>		<u>0</u>	
10:00	<u>25</u>		<u>25</u>		<u>0</u>	
15:00	<u>25</u>		<u>25</u>		<u>0</u>	
20:00	<u>25</u>		<u>25</u>		<u>0</u>	
25:00	<u>25</u>		<u>25</u>		<u>0</u>	
30:00	<u>25</u>		<u>25</u>		<u>0</u>	
REQUIRED - Instantaneous Bradenhead Pressure at End of Test:						<u>0</u> PSIG