

State of Colorado
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

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: 16700
 2. Name of Operator: CHEVRON USA INC
 3. BLM Lease No: D-032675
 4. API Number: 05-103-05798
 5. Multiple completion? Yes No
 6. Well Name: MCLAUGHLIN A.C. Number: 12
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW Section 13, T2N, R103W, 6TH P.M.
 8. County: RIO BLANCO
 9. Field Name: RANGELY
 10. Minerals: Fee State Federal Indian
 11. Date of Test: 3/31/21
 12. Well Status: Flowing Shut In
 Gas Lift Pumping Injection
 Clock/Intermittent
 Plunger Lift
 13. Number of Casing Strings:
 Two Three Liner?

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: 1811 Fm: WEBER	Tubing: Fm:	Prod. Casing: 8 Fm: WEBER	Intermediate Csg: Csg:	Surface Casing: 8
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15. **STEP 2: See instructions above.**

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 Fluid" column: O = No Flow; C = Continuous; D = Down to D; 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: WEBER Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
00:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 8		C	G
05:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 5		C	G
10:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 1		C	G
15:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 0		W	G
20:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 0		W	G
25:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 0		D	N
30:	<input type="checkbox"/> 1811	<input type="checkbox"/>	<input type="checkbox"/> 0		D	N

Instantaneous Bradenhead PSIG at end of test: > 0

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 D; 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.

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:
00:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
05:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
10:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
15:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
20:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
25:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
30:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Instantaneous Intermediate Casing PSIG at end of test: > _____

18. Comments:
GAS SMELLED LIKE PACKER FLUID. POSSIBLE COMMUNICATION BETWEEN SURFACE AND PRODUCTION CASING. WILL CONDUCT MIT.

19. **STEP 5: See instructions above.**

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Test Performed by: DAVID MANN Title: PRODUCTION SPECIALIST Phone: 575-704-2292
 Signed: _____ Title: _____ Date: _____
 WITNESSED BY: _____ Title: _____ Agency: _____