

# State of Colorado Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

## BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.  
 Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.  
 Step 3. Conduct Bradenhead test.  
 Step 4. Conduct Intermediate casing test.  
 Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 16700  
 2. Name of Operator: CHEVRON USA INC. 3. BLM Lease No: \_\_\_\_\_  
 4. API Number: 05-103-06126-00 5. Multiple completion?  Yes  No  
 6. Well Name: GRAY B Number: 13  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW, 18, 2N, 102W, 6  
 8. County: RIO BLANCO 9. Field Name: RANGELY  
 10. Minerals:  Fee  State  Federal  Indian

11. Date of Test: 11-24-2020  
 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: <u>1178</u> Fm: <u>WEBR</u>	Tubing: Fm: _____	Prod. Casing: <u>56</u> Fm: <u>WEBR</u>	Intermediate Csg: Fm: _____	Surface Casing: <u>230</u>
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15. **STEP 2: See instructions above.**

16. **STEP 3: BRADENHEAD TEST**

Buried valve?  Yes  No Confirmed open?  Yes  No

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. Define characteristics of flow in "Bradenhead Flow" column using letter designations below:  
 O = No Flow; C = Continuous; D = Down to 0; V = Vapor  
 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm: _____		Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
	Tubing:	Tubing:			
00:	<u>1178</u>		<u>56</u>		<u>C,G</u>
05:	<u>1178</u>		<u>56</u>		<u>C,G</u>
10:	<u>1178</u>		<u>56</u>		<u>C,G</u>
15:	<u>1178</u>		<u>56</u>		<u>C,G</u>
20:	<u>1178</u>		<u>56</u>		<u>C,G</u>
25:	<u>1178</u>		<u>56</u>		<u>C,G</u>
30:	<u>1178</u>		<u>56</u>		<u>C,G</u>

BRADENHEAD SAMPLE TAKEN?  
 Yes  No  Gas  Liquid

Character of Bradenhead fluid:  Clear  Fresh  
 Sulfur  Salty  Black  
 Other: (describe) \_\_\_\_\_

Sample cylinder number: 1064

Note instantaneous Bradenhead PSIG at end of test: > 17

17. **STEP 4: INTERMEDIATE CASING TEST**

Buried valve?  Yes  No Confirmed open?  Yes  No

With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:  
 O = No Flow; C = Continuous; D = Down to 0; V = Vapor  
 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm: _____		Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
	Tubing:	Tubing:			
00:					
05:					
10:					
15:					
20:					
25:					
30:					

INTERMEDIATE SAMPLE TAKEN?  
 Yes  No  Gas  Liquid

Character of Intermediate fluid:  Clear  Fresh  
 Sulfur  Salty  Black  
 Other: (describe) \_\_\_\_\_

Sample cylinder number: \_\_\_\_\_

Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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: Justin Halcomb Title: FSA Phone: 970-783-8729  
 Signed: [Signature] Title: \_\_\_\_\_ Date: \_\_\_\_\_  
 WITNESSED BY: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_