

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. 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: 101672 11. Date of Test: 1-23-20
 2. Name of Operator: Timber Creek Operating LLC BLM Lease No: _____
 4. API Number: 05-071-09448-001 5. Multiple completion? Yes No
 6. Well Name: Hill Ranch East Number: 23-07
 7. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SW/NE 23-34S-167W
 8. County: Las Animas 9. Field Name: Purgatoire River
 10. Minerals: Fee State Federal Indian
 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 Fm: <u>159</u>	Tubing Fm: _____	Prod. Casing Fm: <u>2</u>	Intermediate Csg Fm: _____	Surface Casing Fm: <u>0</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: _____ Tubing	Fm: _____ Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	<u>159</u>		<u>2</u>		<u>0</u>
05:	<u>159</u>		<u>1</u>		<u>0</u>
10:	<u>159</u>		<u>2</u>		<u>0</u>
15:	<u>158</u>		<u>1</u>		<u>0</u>
20:	<u>158</u>		<u>1</u>		<u>0</u>
25:	<u>158</u>		<u>1</u>		<u>0</u>
30:	<u>158</u>		<u>2</u>		<u>0</u>

BRADENHEAD SAMPLE TAKEN?
 Yes No Gas Liquid

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

Sample cylinder number: _____

Note instantaneous Bradenhead PSIG at end of test: >

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: _____ Tubing	Fm: _____ Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
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: Test performed at 12:50pm

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: Ashley Sanchez Title: Automation Specialist Phone: 719-859-4541
 Signed: Ashley Sanchez Title: _____ Date: 1-23-20
 WITNESSED BY: _____ Title: _____ Agency: _____