

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

C-25

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: _____
2. Name of Operator: _____ 3. BLM Lease No: _____
4. API Number: _____ 5. Multiple completion? ☐ Yes ☐ No
6. Well Name: _____ Number: _____
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): _____
8. County: _____ 9. Field Name: _____
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: _____
12. Well Status: ☐ Flowing ☐ Shut In
☐ Gas Lift ☐ Pumping ☐ Injection
☐ Clock/Intermittent ☐ Plunger Lift
13. Number of Casing Strings: _____
☐ Two ☐ Three ☐ Liner?

STEP 1: EXISTING PRESSURES

Record all pressures as found
Tubing: _____ Fm: 60
Tubing: _____ Fm: _____
Prod. Casing: _____ Fm: 8.5
Intermediate Casing: _____
Surface Casing: _____

15. STEP 2: See instructions above.

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
BRADENHEAD SAMPLE TAKEN?
☐ Yes ☒ No ☐ Gas ☐ Liquid
Character of Bradenhead fluid: ☐ Clear ☐ Fresh
☐ Sulfur ☐ Salty ☐ Black
☐ Other: (describe) _____
Sample cylinder number: _____
Elapsed Time (Min:Sec) Fm: _____ Fm: _____
Tubing: _____ Tubing: _____
Production Casing PSIG Intermediate Casing PSIG Bradenhead Flow:
00: _____ 60 8.5 0
05: _____ 60 8.5 0
10: _____ 60 8.5 0
15: _____ 60 8.5 0
20: _____ 60 8.5 0
25: _____ 60 8.5 0
30: _____ 60 8.5 0
Note instantaneous Bradenhead PSIG at end of test: >

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
INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☐ No ☐ Gas ☐ Liquid
Character of Intermediate fluid: ☐ Clear ☐ Fresh
☐ Sulfur ☐ Salty ☐ Black
☐ Other: (describe) _____
Sample cylinder number: _____
Elapsed Time (Min:Sec) Fm: _____ Fm: _____
Tubing: _____ Tubing: _____
Production Casing PSIG Intermediate Casing PSIG Intermediate Flow:
00: _____
05: _____
10: _____
15: _____
20: _____
25: _____
30: _____
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: Age Elliott Title: Lead Off Phone: 505-617-5030

Signed: [Signature] Title: _____ Date: 9-17-20

WITNESSED BY: [Signature] Title: HSE Specialist Agency: Wapiti Operations, LLC