FORM 17 Rev 2/98

# 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, 5 psi.
Step 3: Conduct bradenhead test.
Step 4: Conduct intermediate casing test.
Step 5: Send report to AGM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration was changed during test program. Attach gas and liquid analyses if samples collected.

1. OGCC Operator Number:
2. Name of Operator: Williford
3. [illegible] No:
4. API Number:
5. Multiple completion? ☐ Yes ☐ No
6. Well Name: Hazel #3 Number:
7. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SE SW 1 33 12
8. County: La Plata
9. Field Name:
10. Minerals: ☑ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 10/14/21
12. Well Status: ☐ Flowing ☐ Shut-In ☐ Gas Lift ☒ Pumping ☐ Injection ☐ Gas/Hydromotor ☐ Plunger Lift
13. Number of Casing Strings: ☐ Two ☒ Three ☐ Liner?

14. STEP 1: EXISTING PRESSURES

| Record all pressures as found | Tubing: Flm: | Tubing: Flm: 14 | Prod. Casing Flm: 2.7 | Intermediate Casing: 2.6 | Surface Casing: 7.8 |
|---|---|---|---|---|---|

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:

D = No Flow; C = Continuous; S = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Withspar; 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) | Flm: Tubing: | Production Casing PSIG | Intermediate Casing PSIG | Bradenhead Flow |
|---|---|---|---|---|
| 00: 1 sec | 14 | 2.7 | | D |
| 05: | 14 | 2.7 | | D |
| 10: | 14 | 2.7 | | D |
| 15: | | End Test | | |
| 20: | | | 2 | |
| 25: | | | | |
| 30: | | | | D |

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:

D = No Flow; C = Continuous; S = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Withspar; 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) | Flm: Tubing: | Production Casing PSIG | Intermediate Casing PSIG | Intermediate Flow |
|---|---|---|---|---|
| 00: 35 sec | 14 | 2.3 | | D-W |
| 05: — | 14 | .7 | | W |
| 10: | 14 | 0 | | W |
| 15: | 14 | 0 | | W |
| 20: | 14 | 0 | | W |
| 25: | 14 | 0 | | W |
| 30: | 14 | 0 | | W |

Note instantaneous Intermediate Casing PSIG at end of test. TSTM

18. Comments:

18. 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: Mitch Kennedy Title: Tech Phone: 10/14/21
Signed: Date: 970 238 1206
WITNESSED BY: Title: Agency: