

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: 10454
2. Name of Operator: PetroShare
3. BLM Lease No.:
4. API Number: 05-123-11147
5. Multiple completion? ☐ Yes ☐ No
6. Well Name: Wagner
7. Location (Qtr/Sec, Twp, Rng, Meridian): SWNW 19 1N 64W 6
8. County: Weld
9. Field Name: Trapper
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 1/3/2020
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

14. Record all pressures as found
Tubing: 450
Fm: JSND
Tubing: N/A
Fm: N/A
Prod. Casing: 450
Fm: JSND
Intermediate Csg: N/A
Surface Casing: 10

15. STEP 2: See instructions above.

STEP 3: BRADENHEAD TEST

16. 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: Tubing Fm: Tubing Production Casing PSIG Intermediate Casing PSIG Bradenhead Flow:
00: 450 - 450 - D
05: 450 - 450 - O
10: 450 - 450 - O
15: 450 - 450 - O
20: 450 - 450 - O
25: 450 - 450 - O
30: 450 - 450 - O
Note instantaneous Bradenhead PSIG at end of test: > O

STEP 4: INTERMEDIATE CASING TEST

17. 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: Tubing Fm: 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: Greg Thorakson Title: Field Superintendent Phone: 719-963-0714
Signed: [Signature] Title: FIELD Supt Date: 1-3-2020
WITNESSED BY: Title: Agency: