

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: 10454  
2. Name of Operator: PetroShare  
3. BLM Lease No:  
4. API Number: 05-001-08510  
5. Multiple completion? ☐ Yes ☒ No  
6. Well Name: Otter Number: #1  
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW 2 2S 66W 6PM  
8. County: Adams  
9. Field Name: Third Creek  
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 1/2/2020

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

Record all pressures as found

| Tubing:  | Tubing: | Prod. Casing: | Intermediate Csg: | Surface Casing: |
|----------|---------|---------------|-------------------|-----------------|
| 350      | —       | 380           | —                 | —               |
| Fm: JSND | Fm: —   | Fm: JSND      | Fm: —             | Fm: —           |

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 ☐ LiquidCharacter of Bradenhead fluid: ☐ Clear ☐ Fresh☐ Sulfur ☐ Salty ☐ Black☐ Other: (describe)

Sample cylinder number:

| Elapsed Time (Min:Sec)                             | Fm: JSND Tubing | Fm: Tubing | Production Casing PSIG | Intermediate Casing PSIG | Bradenhead Flow |
|--|-----------------|------------|------------------------|--------------------------|-----------------|
| 00:  | 350             | —          | 380                    | —                        | 0               |
| 05:  | 350             | —          | 380                    | —                        | 0               |
| 10:  | 350             | —          | 380                    | —                        | 0               |
| 15:  | 350             | —          | 380                    | —                        | 0               |
| 20:  | 350             | —          | 380                    | —                        | 0               |
| 25:  | 350             | —          | 380                    | —                        | 0               |
| 30:  | 350             | —          | 380                    | —                        | 0               |
| Note instantaneous Bradenhead PSIG at end of test: |                 |            |                        |                          | > 0             |

## 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 ☐ LiquidCharacter 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:                    | N/A        |            |                        |                          |                   |
| 05:                    | N/A        |            |                        |                          |                   |
| 10:                    | N/A        |            |                        |                          |                   |
| 15:                    | N/A        |            |                        |                          |                   |
| 20:                    | N/A        |            |                        |                          |                   |
| 25:                    | N/A        |            |                        |                          |                   |
| 30:                    | N/A        |            |                        |                          |                   |

Note instantaneous Intermediate Casing PSIG at end of test: &gt;

16. Comments: