



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	11. Date of Test: 1/3/2020
2. Name of Operator: PetroShare	12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut In
3. BLM Lease No:	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection
4. API Number: 05-001-09430	<input type="checkbox"/> Clock/Intermittent
5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Plunger Lift
6. Well Name: Unruh	13. Number of Casing Strings:
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW 23 1S 65W 6	<input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?
8. County: Adams	
9. Field Name: Trapper	
10. Minerals: <input type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian	
14. STEP 1: EXISTING PRESSURES	
Record all pressures as found	15. STEP 2: See instructions above.
Tubing: 400 Fm: JSND	
Tubing: N/A Fm: N/A	
Prod. Casing: 425 Fm: JSND	
Intermediate Csg. N/A	
Surface Casing: 0	

STEP 3: BRADENHEAD TEST					
Elapsed Time (Min:Sec)	Fm: JSND Tubing	Fm: JSND Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	400	-	425	-	0
05:	400	-	425	-	0
10:	400	-	425	-	0
15:	400	-	425	-	0
20:	400	-	425	-	0
25:	400	-	425	-	0
30:	400	-	425	-	0
Note instantaneous Bradenhead PSIG at end of test:					0

15. 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:

STEP 4: INTERMEDIATE CASING TEST					
Elapsed Time (Min:Sec)	Fm: JSND Tubing	Fm: JSND 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:					>

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:

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 Thorlaksen Title: Field Superintendent Phone: 719-963-0714

Signed: [Signature] Title: FIELD SUPT. Date: 1-3-2020

WITNESSED BY: Title: Agency: