

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: 37230
2. Name of Operator: KERRY HALDE
3. BLM Lease No.:
4. API Number: 05-017-07063
5. Multiple completion? ☐ Yes ☒ No
6. Well Name: NORRENE Number:
7. Location (Qtr, Sec, Twp, Rng, Meridian): 2-13-43, NWSW 12-13S-14W
8. County: CHEYENNE
9. Field Name: MRRW
10. Minerals: ☐ Fee ☐ State ☒ Federal ☐ Indian

11. Date of Test: DEC 14, 2021
12. Well Status: ☐ Flowing ☐ Shut In
☐ Gas Lift ☒ Pumping ☐ Injection
☐ Clock/Intermittent
☐ Plunger Lift
13. Number of Casing Strings:
☒ Two ☐ Three ☐ Liner?

14. STEP 1: EXISTING PRESSURES
Record all pressures as found
Tubing: 10
Fm:
Tubing:
Fm:
Prod. Casing: 2
Fm:
Intermediate Csg: 0
Fm:
Surface Casing: 0
Fm:

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:
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: 10 2 0 D
05: 10 2 0 0
10: 10 2 0 0
15: 10 2 0 0
20: 10 2 0 0
25: 10 2 0 0
30: 10 2 0 0
Note instantaneous Bradenhead PSIG at end of test: > 0

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:
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: BRADENHEAD PRESSURE WENT TO 0 IN 2 SECONDS. 0 THROUGHOUT REMAINDER OF TEST.

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 SHALBERG Title: PUMPER Phone: 719-688-3547

Signed: *Greg Shalberg* Title: Date:

WITNESSED BY: *Greg Shalberg* Title: Agency: