

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: 10084
2. Name of Operator: Pioneer Natural Resources 3. BLM Lease No: N/A
4. API Number: 05-071-08012 5. Multiple completion? ☐ Yes ☒ No
6. Well Name: Carrizo Number: 33-5
7. Location (Qtr, Sec, Twp, Rng, Meridian): NW1/4 Sec 5 - 33S-65W
8. County: Las Animas 9. Field Name: Pugatoire River
10. Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian
11. Date of Test: 10/5/11
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: Fm: 0 Tubing: Fm: 0 Prod. Casing: Fm: 0 Intermediate Casing: 16.26 Surface Casing:
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 B; V = Vapor
H = Water H₂O; M = Mud; W = Whimper; S = Surge; G = Gas
BRADENHEAD SAMPLE TAKEN?
☐ Yes ☒ No ☐ Gas ☐ Liquid
Character of Bradenhead fluid: ☐ Clear ☐ Fresh
☐ Sulphur ☐ Salty ☐ Black
☐ Other: (describe)
Sample cylinder number:
Elapsed Time (Min Sec) Fm: 0 Fm: 0 Production Casing PSIG Intermediate Casing PSIG Bradenhead Flow:
00: 0 0 0
05: 0 0 0
10: 0 0 0
15: 0 0 0
20: 0 0 0
25: 0 0 0
30: 0 0 0
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:
O = No Flow; C = Continuous; D = Down to B; V = Vapor
H = Water H₂O; M = Mud; W = Whimper; S = Surge; G = Gas
INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☐ No ☐ Gas ☐ Liquid
Character of Intermediate fluid: ☐ Clear ☐ Fresh
☐ Sulphur ☐ Salty ☐ Black
☐ Other: (describe)
Sample cylinder number:
Elapsed Time (Min Sec) Fm: 0 Fm: 0 Production Casing PSIG Intermediate Casing PSIG Intermediate Flow:
00: 0 0 1321
05: 0 0 1423
10: 0 0 1565
15: 0 0 0
20: 0 0 0
25: 0 0 0
30: 0 0 0
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: John Gonzalez Title: Lease Clerk Phone: 846-7545
Signed: John Gonzalez Title: Lease Clerk Date: 10/5/11
WITNESSED BY: John Gonzalez Title: Lease Clerk Agency: OGCC