

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  |                      | 3. BLM Lease No:  |                            | 11. Date of Test: 10-8-15  |
| 2. Name of Operator: Pioneer Natural Resources  |                      | 4. API Number: 05-071-0710-1000   |                            | 12. Well Status: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Shut In  |
| 6. Well Name: Lorencito   |                      | Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No |                            | <input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection                                |
| 7. Location (Qtr, Sec, Twp, Rng, Meridian): SW 1/4 31 33S 66W   |                      | Number: 7-31-33-66  |                            | <input type="checkbox"/> Clock/intermittent <input type="checkbox"/> Plunger Lift  |
| 8. County: Las Animas   |                      | 9. Field Name: Lugoitoire River   |                            | 13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner? |
| 10. Minerals: <input checked="" 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   | Tubing: Fm. <u>0</u> | Tubing: Fm. <u>0</u>  | Prod. Casing: Fm. <u>2</u> | Intermediate Casing: <u>0</u>  |
| 15. STEP 2: See instructions above.   |                      |   |                            |  |

|  |  |  |            |            |                        |
|--|--|--|------------|------------|------------------------|
| 16. STEP 3: BRADENHEAD TEST  |  |  |            |            |                        |
| Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |  | Elapsed Time (Min/Sec)                               | Fm. Tubing | Fm. Tubing | Production Casing PSIG |
| 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:<br>D = No Flow; C = Continuous; D = Down to 0; V = Vapor<br>H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas |  | 00:  | <u>0</u>   | <u>0</u>   | <u>2</u>               |
|  |  | 05:  |            |            |                        |
|  |  | 10:  |            |            |                        |
|  |  | 15:  |            |            |                        |
|  |  | 20:  |            |            |                        |
|  |  | 25:  |            |            |                        |
|  |  | 30:  |            |            |                        |
| BRADENHEAD SAMPLE TAKEN?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid   |  | Note instantaneous Bradenhead PSIG at end of test: > |            |            |                        |
| Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh<br><input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black<br><input type="checkbox"/> Other: (describe) _____  |  |  |            |            |                        |
| Sample cylinder number: _____  |  |  |            |            |                        |

|  |  |   |            |            |                        |
|--|--|---|------------|------------|------------------------|
| 17. STEP 4: INTERMEDIATE CASING TEST   |  |   |            |            |                        |
| Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No  |  | Elapsed Time (Min/Sec)  | Fm. Tubing | Fm. Tubing | Production Casing PSIG |
| 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:<br>D = No Flow; C = Continuous; D = Down to 0; V = Vapor<br>H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas |  | 00:   |            |            |                        |
|  |  | 05:   |            |            |                        |
|  |  | 10:   |            |            |                        |
|  |  | 15:   |            |            |                        |
|  |  | 20:   |            |            |                        |
|  |  | 25:   |            |            |                        |
|  |  | 30:   |            |            |                        |
| INTERMEDIATE SAMPLE TAKEN?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid  |  | Note instantaneous Intermediate Casing PSIG at end of test: > |            |            |                        |
| Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh<br><input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black<br><input type="checkbox"/> Other: (describe) _____  |  |   |            |            |                        |
| Sample cylinder number: _____  |  |   |            |            |                        |

18. Comments: 112 + 10W CN Bradenhead

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: Bryan Murphy Title: \_\_\_\_\_ Phone: 719-859-0514

Signed: Bryan Murphy Title: \_\_\_\_\_ Date: 10-8-15

WITNESSED BY: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_