

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 USA INC
 3. BLM Lease No:
 4. API Number: 25-071-0760-000 Multiple completion? Yes No
 6. Well Name: Lorain Co Number: 14-32-33-66R
 7. Location (Dir, Qtr, Sec, Twp, Rng, Meridian): SESW 32 33S 66W
 8. County: Las Animas 9. Field Name: Purgatoire River
 10. Minerals: Fee State Federal Indian)

11. Date of Test: 10-7-15
 12. Well Status: Flowing Shut In
 Gas Lift Pumping Injection
 Clock/Intermittent
 Plunger Lift
 13. Number of Casing Stungs:
 Two Three Liner?

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: Fm. <u>0</u>	Tubing: Fm.	Prod Casing Fm. <u>1.5</u>	Intermediate Csg	Surface Casing
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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

Elapsed Time (Min Sec)	Fm. _____	Fm. _____	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
	Tubing	Tubing			
00	<u>0</u>		<u>1.5</u>		<u>0</u>
05					
10					
15					
20					
25					
30					

BRADENHEAD SAMPLE TAKEN?
 Yes No Gas Liquid

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

Sample cylinder number:

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 0; V = Vapor
 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min Sec)	Fm. _____	Fm. _____	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
	Tubing	Tubing			
00					
05					
10					
15					
20					
25					
30					

INTERMEDIATE SAMPLE TAKEN?
 Yes No Gas Liquid

Character of Intermediate fluid: Clear Fresh
 Sulfur Salty Black
 Other (describe)

Sample cylinder number:

Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments: No flow on 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: Bryton Morgan Title _____ Phone 719-859-0514
 Signed: Bryton Morgan Title _____ Date 10-7-15
 WITNESSED BY _____ Title _____ Agency _____