

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:  
 4. API Number: 05-071-09530-0000  
 5. Multiple completion?  Yes  No  
 6. Well Name: Aavel Number: 41-13  
 7. Location (Qtr, Sec, Twp, Rng, Meridian): NE NE 13-32S-68W  
 8. County: Las Animas  
 9. Field Name: Purgatoire River  
 10. Minerals:  Fee  State  Federal  Indian  
 11. Date of Test: 10/26/15  
 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:  $\emptyset$  Tubing: Fm: Prod. Casing: Fm: Intermediate Csg: Surface Casing: 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: _____	Fm: _____	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
	Tubing: _____	Tubing: _____			
00:	$\emptyset$		$\emptyset$		O
05:					
10:					
15:					
20:					
25:					
30:					

 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  
 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: _____	Fm: _____	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
	Tubing: _____	Tubing: _____			
00:					
05:					
10:					
15:					
20:					
25:					
30:					

 Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments: No Flow on Braden Head

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: Pavel Costa Title: \_\_\_\_\_ Phone: 719-680-1780  
 Signed: Pavel Costa Title: \_\_\_\_\_ Date: 10/26/15  
 WITNESSED BY: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_