

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 891, 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: <u>10084</u>	3. BLM Lease No: <u>N/A</u>	11. Date of Test: <u>11-16-11</u>
2. Name of Operator: <u>Pioneer Resources</u>	5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12. Well Status: <input type="checkbox"/> Flowing <input type="checkbox"/> Shut In
4. API Number: <u>5-071-08067</u>	6. Well Name: <u>NORTHWIND</u>	<input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Injection
7. Location (Twp, Sec, Rng, Meridian): <u>NE/19W 36N 26E 34S 65W</u>	9. Field Name: <u>Purgatoire River</u>	<input type="checkbox"/> Clock/Intermittent <input type="checkbox"/> Plunger Lift
8. County: <u>Las Animas</u>	10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian	13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?
14. STEP 1: EXISTING PRESSURES		
Record all pressures as found	Tubing: <u>70</u> Fm: <u>PSI</u>	16. STEP 2: See instructions above.
Tubing: <u>6</u> Fm: <u>PSI</u>	Prod. Casing: <u>6</u> Fm: <u>PSI</u>	
Intermediate Casing: <u>0</u> Fm: <u>PSI</u>	Surface Casing: <u>0</u> Fm: <u>PSI</u>	

15. 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: <u>70</u>	Fm: <u>6</u>	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. D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	00:			
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:			
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other: (describe)	10:			
Sample cylinder number:	15:			
	20:			
	25:			
	30:			
Note instantaneous Bradenhead PSIG at end of test: >				

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: <u>70</u>	Fm: <u>6</u>	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. D = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas	00:			
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:			
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other: (describe)	10:			
Sample cylinder number:	15:			
	20:			
	25:			
	30:			
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: Shane Griffiths Title: Lease Operator Phone: (719) 846-7898

Signed: Shane Griffiths Title: \_\_\_\_\_ Date: 11-16-2011

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