

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, 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: 10084		11. Date of Test: 10-15-15	
2. Name of Operator: Pioneer Natural Resources		12. Well Status: <input type="checkbox"/> Flowing <input type="checkbox"/> Shut In	
3. BLM Lease No:		<input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Injection	
4. API Number: 05-071-07807		<input type="checkbox"/> Clock/Intermittent	
5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Plunger Lift	
6. Well Name: Heart Beat		13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?	
7. Location (Qtr, Sec, Twp, Rng, Meridian): SE SE 30 33S 66W		14. STEP 1: EXISTING PRESSURES	
8. County: Las Animas		15. STEP 2: See instructions above.	
9. Field Name: Purgatoire River			
10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			
Record all pressures as found			
Tubing: Fm: 40	Tubing: Fm:	Prod. Casing: Fm: 4	Intermediate Csg: Fm:
		Surface Casing: Fm: 4	

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: 40	Fm: Tubing:	Production Casing PSIG: 4
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:		00:			0
O = No Flow; C = Continuous; D = Down to 0; V = Vapor		05:			
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas		10:			
BRADENHEAD SAMPLE TAKEN?		15:			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		20:			
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh		25:			
<input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black		30:			
<input type="checkbox"/> Other: (describe)					
Sample cylinder number:		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: 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:		00:			
O = No Flow; C = Continuous; D = Down to 0; V = Vapor		05:			
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas		10:			
INTERMEDIATE SAMPLE TAKEN?		15:			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		20:			
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh		25:			
<input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black		30:			
<input type="checkbox"/> Other: (describe)					
Sample cylinder number:		Note instantaneous Intermediate Casing PSIG at end of test: >			
18. Comments: Bradenhead Pool for 7 seconds					

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: Britton Mangione Title: Phone: 719-859-0514

Signed: Broughton Mangione Title: Date: 10-15-15

WITNESSED BY: Title: Agency: