

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		11. Date of Test: 10-20-15	
2. Name of Operator: Pioneer Natural Resources		3. BLM Lease No:	
4. API Number: 05-071-06784-0000		5. Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Well Name: Pico		Number: 41-31	
7. Location (Qtr, Sec, Twp, Rng, Meridian): NENE 31 34S 6SW			
8. County: Las Animas		9. Field Name: Purgatoire River	
10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian		12. Well Status: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Shut In <input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection <input type="checkbox"/> Clock/Intermittent <input type="checkbox"/> Plunger Lift	
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: <input checked="" type="checkbox"/> Fm: <input checked="" type="checkbox"/>	Tubing: <input type="checkbox"/> Fm: <input type="checkbox"/>	Prod. Casing: <input type="checkbox"/> Fm: 3 Intermediate Csg: <input type="checkbox"/> Surface Casing: <input checked="" type="checkbox"/>
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: <input type="checkbox"/> Tubing: <input type="checkbox"/>	Fm: <input type="checkbox"/> Tubing: <input type="checkbox"/>	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: O = No Flow; C = Continuous; D = Down to 0; V = Vapor H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas		00:	<input checked="" type="checkbox"/>		3
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: <input type="checkbox"/> Tubing: <input type="checkbox"/>	Fm: <input type="checkbox"/> Tubing: <input type="checkbox"/>	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: O = 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 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: 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: Gregory M. Mays Title: \_\_\_\_\_ Phone: 781-888-6141

Signed: Gregory M. Mays Title: \_\_\_\_\_ Date: 10-20-15

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