

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894 2100 Fax: (303) 894 2109



FOR OGC 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	3. BLM Lease No:	11. Date of Test: 10-7-15						
2. Name of Operator: Pioneer Natural Resources USA INC	4. API Number: 05-071-066982-000	5. Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No						
6. Well Name: Lorencito	7. Location (Qtr, Sec, Twp, Rng, Meridian): SESE 32-33-66W	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 type="checkbox"/> Flowing <input type="checkbox"/> Shut in <input type="checkbox"/> Gas Lift <input checked="" 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							
<table border="1"><tr><td>Record all pressures as found</td><td>Tubing: Pm: 0</td><td>Tubing: Fm:</td><td>Prod Casing: Fm: 2</td><td>Intermediate Csg: Fm:</td><td>Surface Casing: Fm:</td></tr></table>			Record all pressures as found	Tubing: Pm: 0	Tubing: Fm:	Prod Casing: Fm: 2	Intermediate Csg: Fm:	Surface Casing: Fm:
Record all pressures as found	Tubing: Pm: 0	Tubing: Fm:	Prod Casing: Fm: 2	Intermediate Csg: Fm:	Surface Casing: Fm:			
15. STEP 2: See instructions above								

16. STEP 3: BRADENHEAD TEST						
Buried valve? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 = Whimper; S = Surge; G = Gas						
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid						
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)						
Sample cylinder number:						
Elapsed Time (Min Sec) Fm Tubing Fm Tubing Production Casing PSIG Intermediate Casing PSIG Bradenhead Flow						
00 0 2 0						
05						
10						
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						
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 = Whimper; S = Surge; G = Gas						
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid						
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)						
Sample cylinder number:						
Elapsed Time (Min Sec) Fm Tubing Fm Tubing Production Casing PSIG Intermediate Casing PSIG Intermediate Flow						
00						
05						
10						
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: Brian Margho Title: Phone: 719-859-0514

Signed: Brian Margho Title: Date: 10-7-15

WITNESSED BY: Title: Agency: