

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 USA INC 3. BLM Lease No:  
4 API Number: 05-071-069500 5 Multiple completion? ☐ Yes ☐ No  
6 Well Name: Lorena to Number: 15-6-34-66  
7 Location (Dir/Qu, Sec, Twp, Rng, Meridian): SWSE 6 34S 66W  
8 County: Las Animas 9. Field Name: Purgatoire River  
10 Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian

11 Date of Test: 10-7-15  
12 Well Status: ☒ Flowing ☐ Shut In  
☐ Gas Lift ☐ Pumping ☐ Injection  
☐ Clock/Intermittent  
☐ Plunger Lift  
13 Number of Casing Strings:  
☒ Two ☐ Three ☐ Line?

14. STEP 1: EXISTING PRESSURES  
Record all pressures as found  
Tubing: 2.5 Fm:  
Tubing: Fm:  
Prod. Casing: 1.5 Fm:  
Intermediate Csg: Fm:  
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 Tubing	Fm Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00	2.5		1.5		
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 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 Pressure 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: Bryan Mangino Title: Phone: 719-869-0514

Signed: Bryan Mangino Title: Date: 10-7-15

WITNESSED BY: Title: Agency: