

State of Colorado  
Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 101, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

FOR OIL AND GAS USE ONLY

## BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.  
Step 2. Sample rate, intermediate or surface casing pressure  $\geq 25$  psi. In casing at least, 1 psi.  
Step 3. Conduct Bradenhead test.  
Step 4. Conduct intermediate casing test.  
Step 5. Send report to OGC within 30 days and to OGC 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 completed.

1. OGC Operator Number: 10312  
2. Name of Operator: Prospect Energy LLC  
3. ELM Lease No:  
4. API Number: 05-069-60037 5. Multiple completion? ☐ Yes ☒ No  
6. Well Name: Mayer Number: 4.2  
7. Location (Quadr., Sec., Twp., Rng., Meridian): NW 36 Sec 19 T8N R68W  
8. County: Larimer 9. Field Name: Fr Collins  
10. Minerals: ☐ Fee ☒ State ☐ Federal ☐ Indian

11. Date of Test: 8/8/2020

12. Well Status: ☐ Flowing ☐ Shut In  
☐ Gas Lift ☒ Pumping ☐ Injection  
☐ Choke/Injector  
☐ Plunger Lift

13. Number of Casing Strings:  
☒ Two ☐ Three ☐ More

## 14. STEP 1: EXISTING PRESSURES

Record all pressures as found

Tubing:	Tubing:	Prod. Casing:	Intermediate Casing:	Surface Casing:
30		5		5
From: <u>Muddy</u>	From:	From: <u>muddy</u>		

16. STEP 2: See instructions above.

## 16. STEP 3: BRADENHEAD TEST

Sealed 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/H<sub>2</sub>O; M = Mud; W = Whelpen; S = Surge; G = Gas

BRADENHEAD SAMPLE TAKEN?  
☐ Yes ☒ No ☐ Gas ☐ Liquid

Character of Bradenhead fluid: ☐ Clear ☐ Froth  
☐ Sulphur ☐ Slaty ☐ Black  
☐ Other (describe):

Sample cylinder number:

Elapsed Time (Min:Sec)	From: <u>Muddy</u> Tubing	From: <u>Muddy</u> Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	30		5		0
05:	30		5		0
10:	30		5		0
15:	30		5		0
20:	30		5		0
25:	30		5		0
30:	30		5		0

Note instantaneous Bradenhead PSIG at end of test: 0

## 17. STEP 4: INTERMEDIATE CASING TEST

Sealed 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/H<sub>2</sub>O; M = Mud; W = Whelpen; S = Surge; G = Gas

INTERMEDIATE SAMPLE TAKEN?  
☐ Yes ☐ No ☐ Gas ☐ Liquid

Character of Intermediate fluid: ☐ Clear ☐ Froth  
☐ Sulphur ☐ Slaty ☐ Black  
☐ Other (describe):

Sample cylinder number:

Elapsed Time (Min:Sec)	From: <u>Muddy</u> Tubing	From: <u>Muddy</u> 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:

## 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: Mike Staab Title: Lease Operator Phone: 307-299-0095

Signed: Michael M. Staab Title: \_\_\_\_\_ Date: 8/9/20

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