

# 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.

11. Date of Test: 6-29-21

1. OGCC Operator Number: 10112  
2. Name of Operator: Foundation Energy Management  
3. BLM Lease No:  
4. API Number:  
5. Multiple completion? ☐ Yes ☒ No  
6. Well Name: Koening Number: 23-33  
7. Location (QtrQtr, Sec, Twp, Rng/Meridian):  
8. County: Yuma  
9. Field Name:  
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

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

13. Number of Casing Strings: N/A  
☐ Two ☐ Three ☐ Liner?

15.

STEP 2: See instructions above.

### STEP 1: EXISTING PRESSURES

Record all pressures as found  
Tubing: Fm: 63.3  
Tubing: Fm:  
Prod. Casing: Fm: 41.8  
Intermediate Csg: Fm:  
Surface Casing: Fm: 0.5

### STEP 3: BRADENHEAD TEST

16. 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: 63.3 41.8 W/O  
05: 64.5 41.8 O  
10: 64.5 41.8 O  
15: 64.5 41.8 O  
20: 64.8 41.8 O  
25: 64.8 41.8 O  
30: 64.8 41.8 O  
Note instantaneous Bradenhead PSIG at end of test: > O

### STEP 4: INTERMEDIATE CASING TEST

17. 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: >