

# 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: 10112  
 2. Name of Operator: Foundation Energy Management  
 3. BLM Lease No:  
 4. API Number:  
 5. Multiple completion?  Yes  No  
 6. Well Name: Roening Number: 22-33  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian):  
 8. County: Yuma 9. Field Name:  
 10. Minerals:  Fee  State  Federal  Indian

11. Date of Test: 6-29-21  
 12. Well Status:  Flowing  Shut In  
 Gas Lift  Pumping  Injection  
 Clock/Intermitter  
 Plunger Lift  
 13. Number of Casing Strings: N/A  
 Two  Three  Liner?

14. STEP 1: EXISTING PRESSURES

Record all pressures as found	Tubing:	Tubing:	Prod. Casing:	Intermediate Cag:	Surface Casing:
	Fm: <u>52.6</u>	Fm:	Fm: <u>41.4</u>		<u>0.8</u>

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:	<u>52.6</u>		<u>41.4</u>		<u>V/O</u>
05:	<u>53.4</u>		<u>41.5</u>		<u>O</u>
10:	<u>53.6</u>		<u>41.5</u>		<u>O</u>
15:	<u>53.5</u>		<u>41.5</u>		<u>O</u>
20:	<u>53.2</u>		<u>41.5</u>		<u>O</u>
25:	<u>53.5</u>		<u>41.4</u>		<u>O</u>
30:	<u>53.4</u>		<u>41.5</u>		<u>O</u>
Note instantaneous Bradenhead PSIG at end of test:					<u>&gt; O</u>

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:					<u>&gt;</u>