FORM 17 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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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 3 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: 47120 3. BLM Lease No:
2. Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP
4. API Number; 05-123-26006-00 5. Multiple completion? ☐ Yes ☐ No
6. Well Name: PAVISTMA Number: 11-32
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW,32,6N,67W,6
8. County WELD 9. Field Name: WATTENBERG
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 06/26/2018

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

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

14. EXISTING PRESSURES

Record all pressures as found	Tubing: Fm:	Tubing: Fm:	Prod Csg 475 Fm:	Intermediate Csg:	Surf. Csg 5

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:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	☐	☐	☐ 475		G
05:00	☐	☐	☐ 475		D
10:00	☐	☐	☐ 475		D
15:00	☐	☐	☐ 475		D
20:00	☐	☐	☐ 475		D
25:00	☐	☐	☐ 475		D
30:00	☐	☐	☐ 475		D

Instantaneous Bradenhead PSIG at end of test: > 0

INTERMEDIATE CASING TEST

Buried valve? ☐ Yes ☐ No
Confirmed open? ☐ Yes ☐ No

With gauges monitoring production, intermediate 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:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		

Instantaneous Intermediate Casing PSIG at end of test: >

Comments: Surface casing produced no fluids. Surface casing shut in for 15 minutes ended with 0 PSI. Well was shut-in for Horizontal Safety Prep.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed By:	COOPER POST	Title:	NON-EMPLOYEE	Phone:	(970) 402-7231
Signed:	CHERYL LIGHT	Title:	STAFF REGULATORY ANALYST	Date:	7/2/2018
Witnessed By:		Title:		Agency:	