

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: 10454		3. BLM Lease No:		11. Date of Test: 1/10/2020	
2. Name of Operator: Petrosphere		4. API Number: 05-001-08415		5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Well Name: Mundell		7. Location (Chqtr, Sec, Twp, Rng, Meridian): SWNW 21 2S 64W 6		8. County: Adams	
9. Field Name: Wattenberg		10. Minerals: <input type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian		12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut in <input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection <input type="checkbox"/> Cyclic/Intermittent <input type="checkbox"/> Plunger Lift	
13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Other?		14. STEP 1: EXISTING PRESSURES		15.	
Record all pressures as found	Tubing: 300 Fm: JSND	Tubing: N/A Fm: N/A	Prod. Casing: 100 Fm: JSND	Intermediate Cag: N/A	Surface Casing: 6
					STEP 2: See instructions above.

STEP 3: BRADENHEAD TEST							
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Elapsed Time (Min:Sec)	Fm: JSND Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
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 = Whistler; S = Surge; G = Gas		00:	300	✓	100	—	0
		05:	300	✓	100	—	0
		10:	300	✓	100	—	0
		15:	300	—	100	—	0
		20:	300	—	100	—	0
		25:	300	—	100	—	0
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		30:	300	—	100	—	0
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe):		Note instantaneous Bradenhead PSIG at end of test: 20					
Sample cylinder number:							

STEP 4: INTERMEDIATE CASING TEST							
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
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 = Whistler; S = Surge; G = Gas		00:	N/A				
		05:	N/A				
		10:	N/A				
		15:	N/A				
		20:	N/A				
		25:	N/A				
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		30:	N/A				
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black <input type="checkbox"/> Other (describe):		Note instantaneous Intermediate Casing PSIG at end of test: >					
Sample cylinder number:							

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: Greg Thoraksen Title: Field Superintendent Phone: 719-963-0714

Signed: [Signature] Title: FIELD Supt Date: 1-10-2020

WITNESSED BY: Title: Agency: