

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: 1/3/2020	
2. Name of Operator: PetroShare		5. Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		12. Well Status: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Shut in	
4. API Number: 05-001-08703		Number: 43-16		<input type="checkbox"/> Gas Lift <input type="checkbox"/> Pumping <input type="checkbox"/> Injection	
6. Well Name: Amoco State		7. Location (Qtr, Sec, Twp, Rng, Meridian): NESE 16 1S 65W 6		<input type="checkbox"/> Clock/Intermittent	
8. County: Adams		9. Field Name: Wattenberg		<input checked="" type="checkbox"/> Plunger Lift	
10. Minerals: <input type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian		13. Number of Casing Strings:		<input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?	
14. STEP 1: EXISTING PRESSURES					
Record all pressures as found	Tubing: 300 Fm: JSND	Tubing: N/A Fm: N/A	Prod. Casing: 300 Fm: JSND	Intermediate Casing: N/A	Surface Casing: 0
15. STEP 2: See instructions above.					

16. STEP 3: BRADENHEAD TEST						
Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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	Elapsed Time (Min Sec)	Fm: JSND Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	00:	300	-	300	-	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)	05:	300	-	300	-	0
Sample cylinder number:	10:	300	-	300	-	0
	15:	300	-	300	-	0
	20:	300	-	300	-	0
	25:	300	-	300	-	0
	30:	300	-	300	-	0
Note instantaneous Bradenhead PSIG at end of test: > 0						

17. STEP 4: INTERMEDIATE CASING TEST						
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> 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	Elapsed Time (Min Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	00:	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)	05:	N/A				
Sample cylinder number:	10:	N/A				
	15:	N/A				
	20:	N/A				
	25:	N/A				
	30:	N/A				
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: Greg Thorlaxsen Title: Field Superintendent Phone: 719-963-0714
Signed: [Signature] Title: FIELD SUPT. Date: 1-3-2020
WITNESSED BY: Title: Agency: