

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: <u>47120</u>	3. BLM Lease No: _____	11. Date of Test: <u>12/09/2010</u>
2. Name of Operator: <u>KERR-MCGEE OIL &amp; GAS ONSHORE LP</u>		12. Well Status: <input type="checkbox"/> Flowing
4. API Number; <u>05-123-16580-00</u>	5. Multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Shut In <input type="checkbox"/> Gas Lift
6. Well Name: <u>BLUFFS WHITE W 5-8</u>	Number: _____	<input type="checkbox"/> Pumping <input type="checkbox"/> Injection
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SENE,5,2N,66W,P</u>		<input type="checkbox"/> Clock/Intermitter
8. County <u>WELD</u>	9. Field Name: <u>WATTENBERG</u>	<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 type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner?

14. EXISTING PRESSURES					
Record all pressures as found	Tubing: _____ Fm: _____	Tubing: _____ Fm: _____	Prod Csg <u>398</u> Fm: _____	Intermediate Csg: _____	Surf. Csg <u>0</u>

BRADENHEAD TEST							
Buried valve? <input checked="" type="checkbox"/> Yes <input 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: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	
		00:00		383	398		W
		05:00		386	399		
		10:00		392	400		
		15:00		397	402		
		20:00		401	402		
		25:00		403	405		
	30:00		405	407			
BRADENHEAD SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid							
Character of Bradenhead fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____ Sample cylinder number: _____							
Instantaneous Bradenhead PSIG at end of test: > <u>0</u>							

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, 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	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid							
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____ Sample cylinder number: _____							
Instantaneous Intermediate Casing PSIG at end of test: >							

Comments: Blew down in 3 seconds, did not pressure up in 10 minutes.

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

Test Performed By: Tyler Mantz Title: \_\_\_\_\_ Phone: (970) 380-4454

Signed: Mike Weaver Title: Product Engineer  
Manager Date: 3/9/2011

Witnessed By: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_