



## 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: 10447 3. BLM Lease No: \_\_\_\_\_  
2. Name of Operator: URSA OPERATING COMPANY LLC  
4. API Number; 05-045-10851-00 5. Multiple completion? ☐ Yes ☐ No  
6. Well Name: RIVER RANCH Number: B2  
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW,8,6S,92W,6  
8. County GARFIELD 9. Field Name: MAMM CREEK  
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 10/03/2013

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: <u>354</u> Fm: <u>WFCM</u>	Tubing: _____ Fm: _____	Prod Csg <u>971</u> Fm: _____	Intermediate Csg: _____	Surf. Csg <u>296</u>
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### 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) Muddy

Sample cylinder number: \_\_\_\_\_

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	WFCM 354	<input type="checkbox"/>	<input type="checkbox"/> 971		G
05:00	WFCM 355	<input type="checkbox"/>	<input type="checkbox"/> 971		G
10:00	WFCM 362	<input type="checkbox"/>	<input type="checkbox"/> 972		G
15:00	WFCM 366	<input type="checkbox"/>	<input type="checkbox"/> 972		G
20:00	WFCM 370	<input type="checkbox"/>	<input type="checkbox"/> 973		M
25:00	WFCM 370	<input type="checkbox"/>	<input type="checkbox"/> 976		M
30:00	WFCM 372	<input type="checkbox"/>	<input type="checkbox"/> 977		M

Instantaneous Bradenhead PSIG at end of test: > 30

### 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:
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Instantaneous Intermediate Casing PSIG at end of test: > \_\_\_\_\_

Comments: \_\_\_\_\_

Blew braden head down through 1/4" needle valve.

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

Test Performed By: Shane Vaughn Title: Prod Super Phone: (970) 6239539

Signed: Shane Vaughn Title: Prod Super Date: 10/11/2013

Witnessed By: Craig Burger Title: NW Field Inspector Agency: COGCC