



## 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: 10110 3. BLM Lease No: \_\_\_\_\_  
 2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC  
 4. API Number; 05-123-46043-00 5. Multiple completion? ☐ Yes ☐ No  
 6. Well Name: Postle IC Number: 09-302HC  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW,11,3N,68W,6  
 8. County WELD 9. Field Name: WATTENBERG  
 10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 07/25/2018

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: <u>1298</u> Fm: _____	Prod Csg <u>1902</u> Fm: _____	Intermediate Csg: _____	Surf. Csg <u>278</u>
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### 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: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
	00:00	<input type="checkbox"/>	<input type="checkbox"/> 1298	<input type="checkbox"/> 1902		C
	05:00	<input type="checkbox"/>	<input type="checkbox"/> 1298	<input type="checkbox"/> 1901		C
	10:00	<input type="checkbox"/>	<input type="checkbox"/> 1298	<input type="checkbox"/> 1901		C
	15:00	<input type="checkbox"/>	<input type="checkbox"/> 1300	<input type="checkbox"/> 1901		W
	20:00	<input type="checkbox"/>	<input type="checkbox"/> 1300	<input type="checkbox"/> 1901		W
	25:00	<input type="checkbox"/>	<input type="checkbox"/> 1298	<input type="checkbox"/> 1901		W
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:	30:00	<input type="checkbox"/>	<input type="checkbox"/> 1299	<input type="checkbox"/> 1901		W

Instantaneous Bradenhead PSIG at end of test: > 0

### 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:
	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	05:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	15:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	20:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	25:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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:	30:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Instantaneous Intermediate Casing PSIG at end of test: >

Comments: Test taken within 30 days of DOFP. Gas dropped to 26 psi after 230 seconds then plugged off. Worked 1/4" needle valve and continued to blow down slowly to whisper.

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

Test Performed By: Max Trehus Title: Production Tech II Phone: (970) 364-2823

Signed: Ty Woodworth Title: Dist Eng Manager Date: 7/31/2018

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