

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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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: 10633 3. BLM Lease No: _____
 2. Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC
 4. API Number; 05-013-06578-00 5. Multiple completion? ☒ Yes ☐ No
 6. Well Name: LABER Number: 44-24
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESE,24,2N,69W,6
 8. County BOULDER 9. Field Name: WATTENBERG
 10. Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 05/17/2017

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: 277 Fm: JNBCD	Tubing: _____ Fm: _____	Prod Csg 275 Fm: _____	Intermediate Csg: _____	Surf. Csg 146
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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)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	JNBCD 277	<input type="checkbox"/>	<input type="checkbox"/> 275		C
05:00	JNBCD 277	<input type="checkbox"/>	<input type="checkbox"/> 275		O
10:00	JNBCD 276	<input type="checkbox"/>	<input type="checkbox"/> 275		O
15:00	JNBCD 275	<input type="checkbox"/>	<input type="checkbox"/> 274		O
20:00	JNBCD 275	<input type="checkbox"/>	<input type="checkbox"/> 274		O
25:00	JNBCD 275	<input type="checkbox"/>	<input type="checkbox"/> 274		O
30:00	JNBCD 276	<input type="checkbox"/>	<input type="checkbox"/> 274		O

Instantaneous Bradenhead PSIG at end of test: > 0

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"/>		

Instantaneous Intermediate Casing PSIG at end of test: >

Comments:

After blow down surface casing was:

00: 0 PSI

05: 0 PSI

10: 0 PSI

15: 0 PSI

Took gas samples from production casing and surface casing

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

Test Performed By: Rob Robins Title: Senior Lease Operator Phone: (720) 4426207

Signed: Ariana Solis Title: Regulatory Admin Date: 5/23/2017

Witnessed By: _____ Title: _____ Agency: _____