

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: 10254 3. BLM Lease No: _____
 2. Name of Operator: RED MESA HOLDINGS/O&G LLC
 4. API Number; 05-067-07085-00 5. Multiple completion? ☐ Yes ☒ No
 6. Well Name: TALBOT-WIDEMAN Number: 13-1
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW,13,33N,12W,N
 8. County LA PLATA 9. Field Name: RED MESA
 10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 02/15/2017

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: _____ Fm: _____	Tubing: _____ Fm: DKTA	Prod Csg 86 Fm: DKTA	Intermediate Csg: 86	Surf. Csg 0
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BRADENHEAD TEST

Buried valve? ☐ Yes ☒ NoConfirmed 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 ☐ LiquidCharacter 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	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
05:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
10:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
15:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
20:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
25:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O
30:00	<input type="checkbox"/>	<input type="checkbox"/>	86	86	O

Instantaneous Bradenhead PSIG at end of test: > 0

INTERMEDIATE CASING TEST

Buried valve? ☐ Yes ☒ NoConfirmed 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 ☐ LiquidCharacter of Intermediate fluid: ☐ Clear ☐ Fresh☐ Sulfur ☐ Salty ☐ Black

Other:(describe) trace amts condensate

Sample cylinder number: CP-105

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	<input type="checkbox"/>	<input type="checkbox"/>	85	86	C
05:00	<input type="checkbox"/>	<input type="checkbox"/>	35	4	C
10:00	<input type="checkbox"/>	<input type="checkbox"/>	11	1	C
15:00	<input type="checkbox"/>	<input type="checkbox"/>	1	0	C
20:00	<input type="checkbox"/>	<input type="checkbox"/>	0	0	S
25:00	<input type="checkbox"/>	<input type="checkbox"/>	0	0	S
30:00	<input type="checkbox"/>	<input type="checkbox"/>	0	0	C

Instantaneous Intermediate Casing PSIG at end of test: > 0

Comments: Gas samples were taken from the production casing and the intermediate casing. On the intermediate blow down, gas flow was continuous yet decreasing constantly over time until T=18 minutes when the flow rate increased and did not drop back until T=20 minutes at which time, the flow began a constant decline again. The decline in intermediate annulus flow rate continued until T=24 minutes at which time, the flow rate increased again for a couple of minutes and then continued to drop to a slow rate at T=30 minutes. The final rate was more than a whisper. A trace amount of condensate dripped from the access valve in the last five (5) minutes. Both the production casing and intermediate annulus were SL again and at five (5) minutes the production casing pressure was 1.2 psig and the intermediate casing

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

Test Performed By: Brandon Kennedy Title: MTS Phone: (505) 486-9392

Signed: David Andrews Title: Supv. Engineer Date: 2/21/2017

Witnessed By: Mark Weems Title: Engineer Agency: COGCC