

**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: <u>DKTA</u>	Prod Csg <u>86</u> Fm: <u>DKTA</u>	Intermediate Csg: <u>86</u>	Surf. Csg <u>0</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

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"/> 86	86	O
05:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O
10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O
15:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O
20:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O
25:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O
30:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 86	86	O

BRADENHEAD SAMPLE TAKEN?
 Yes No Gas Liquid
 Character of Bradenhead fluid: Clear Fresh
 Sulfur Salty Black
 Other:(describe) _____
 Sample cylinder number: _____
 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

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"/> 85	86	C
05:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 35	4	C
10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 11	1	C
15:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1	0	C
20:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 0	0	S
25:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 0	0	S
30:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 0	0	C

INTERMEDIATE SAMPLE TAKEN?
 Yes No Gas Liquid
 Character of Intermediate fluid: Clear Fresh
 Sulfur Salty Black
 Other:(describe) trace amts condensate
 Sample cylinder number: CP-105
 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 SI 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