



BRADENHEAD TEST REPORT

Step 1. Before opening any valves, record all tubing and casing pressures as found.

Step 2. Collect liquid and gas samples as required; consult Bradenhead Testing and Reporting Instructions and Guidance for field specific Orders at

<http://ecmc/reg.html#/opguidance>

Step 3. Conduct Bradenhead test.

Step 4. Submit Form 17 within 10 days of test. Attach a wellbore diagram if not previously submitted or if wellbore configuration has changed since last wellbore diagram was submitted.

Step 5. Submit sample analytical results via Form 43.

1. ECMC Operator Number: 74740 3. BLM Lease No: _____

2. Name of Operator: RIO MESA RESOURCES INC

4. API Number: 05-103-08613-00 5. Multiple completion? ☐ Yes ☐ No

6. Well Name: PHILLIPS-LUFT Number: 2-31

7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW,31,2N,101W,6

8. County RIO BLANCO 9. Field Name: RANGELY

10. Minerals: ☐ Fee ☐ State ☒ Federal ☐ Indian

11. Date of Test: 12/13/2021

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: 0 Fm: _____ | Tubing: _____ Fm: _____ | Prod Csg 0 Fm: _____ | Intermediate Csg: 0 | Surf. Csg 0 |
|-------------------------------|------------------------|----------------------------|-------------------------|------------------------|----------------|
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BRADENHEAD TEST

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.

Describe character of flow in "Bradenhead Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper

Describe fluid type in "Bradenhead Fluid" column: H = Water H₂O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None

| | | | | | | | |
|--|---|------------|-------------|---------------|---------------------|------------------|-------------------|
| Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Elapsed Time (Min:Sec) | Fm: Tubing | Fm: Tubing: | Prod Csg PSIG | Intermedia Csg PSIG | Bradenhead Flow: | Bradenhead Fluid: |
| Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 00:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| BRADENHEAD SAMPLE TAKEN? | 05:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid | 10:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| Character of Bradenhead fluid: | 15:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| <input type="checkbox"/> Clear <input type="checkbox"/> Fresh | 20:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black | 25:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| Other:(describe) | 30:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| no gas or liquid | REQUIRED - Instantaneous Bradenhead Pressure at End of Test: 0 PSIG | | | | | | |

INTERMEDIATE CASING TEST

With gauges monitoring production, intermediate casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals.

Describe character of flow in "Intermediate Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper

Describe fluid type in "Intermediate Fluid" column: H = Water H₂O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None.

| | | | | | | | |
|--|--|------------|-------------|---------------|-----------------------|--------------------|---------------------|
| Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Elapsed Time (Min:Sec) | Fm: Tubing | Fm: Tubing: | Prod Csg PSIG | Intermediate Csg PSIG | Intermediate Flow: | Intermediate Fluid: |
| Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 00:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid | 05:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| | 10:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| | 15:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| 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) no gas or liquid | 20:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| | 25:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| | 30:00 | 0 | 0 | 0 | 0 | NO FLOW | NONE |
| | REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: 0 PSIG | | | | | | |

Comments: The wellbore had a conductor set to 42' and cmt in with 30 sks cmt to surf. 8 5/8 casing set to 3840' and cmt. in with 5 1/2 liner ran from 3758' to 6635' and cmt in with 430 sks. The tbj head and Bradenhead would have same pressure so we could not get a test

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

Test Performed By: _____ Title: _____ Phone: () _____
Signed: Mike Hayes Title: President Date: 8/21/2024
Witnessed By: _____ Title: _____ Agency: _____