

State of Colorado
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

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://ogcc.org/reg.html#ogguidance>
 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. OGCC Operator Number: #16700 | 3. BLM Lease No: Fee | 11. Date of Test: 3/16/2021 |
| 2. Name of Operator: Chevron | 5. Multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 12. Well Status: <input type="checkbox"/> Flowing <input type="checkbox"/> Shut In <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Injection <input type="checkbox"/> Clock/Intermittent <input type="checkbox"/> Plunger Lift |
| 4. API Number: 05-103-10532 | 6. Well Name: Associated Unit A Number: 2x | 13. Number of Casing Strings: <input checked="" type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Liner? |
| 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE 14,2N,103W, 6TH | 9. Field Name: Rangely Weber Sand Unit | |
| 8. County: Rio Blanco | 10. Minerals: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian | |

14. **STEP 1: EXISTING PRESSURES**

| | | | | | |
|-------------------------------|-------------------------|--------------------|-------------------------------|---------------------|---------------------|
| Record all pressures as found | Tubing: 91 Fm: Weber | Tubing: X Fm: X | Prod. Casing: 91 Fm: Weber | Intermediate Csg: X | Surface Casing: 360 |
|-------------------------------|-------------------------|--------------------|-------------------------------|---------------------|---------------------|

15. **STEP 2: See instructions above.**

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: weber 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: | = 91 | = | = 91 | | C | G |
| BRADENHEAD SAMPLE TAKEN? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Liquid | 05: | = 91 | = | = 91 | | C | G |
| 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) <u>1002</u> | 10: | = 91 | = | = 91 | | W | G |
| Sample Cylinder Number: | 15: | = 91 | = | = 91 | | D | N |
| | 20: | = 91 | = | = 91 | | D | N |
| | 25: | = 91 | = | = 91 | | D | N |
| | 30: | = 91 | = | = 91 | | D | N |
| Instantaneous Bradenhead PSIG at end of test: > 0 | | | | | | | |

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 type="checkbox"/> No | Elapsed Time (Min:Sec) | Fm: Tubing | Fm: Tubing | Prod Csg PSIG | Intermediate Csg PSIG | Intermediate Flow: | Intermediate Fluid: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|------------|---------------|-----------------------|--------------------|---------------------|
| Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No | 00: | = | = | = | | | |
| INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid | 05: | = | = | = | | | |
| 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) | 10: | = | = | = | | | |
| Sample Cylinder Number: | 15: | = | = | = | | | |
| | 20: | = | = | = | | | |
| | 25: | = | = | = | | | |
| | 30: | = | = | = | | | |
| Instantaneous Intermediate Casing PSIG at end of test: > | | | | | | | |

18. **Comments:**

19. **STEP 5: See instructions above.**

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

Test Performed by: Justin Halcomb Title: Field Specialist Phone: 970-783-8729

Signed: _____ Title: _____ Date: _____

WITNESSED BY: _____ Title: _____ Agency: _____