



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 casing. 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: 10456 3. BLM Lease No: _____
2. Name of Operator: CAERUS PICEANCE LLC
4. API Number; 05-045-07638-00 5. Multiple completion? ☐ Yes ☐ No
6. Well Name: UNOCAL Number: 23-9D
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW,9,6S,96W,6
8. County GARFIELD 9. Field Name: GRAND VALLEY
10. Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 12/06/2017

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: <u>304</u> Fm: _____ | Tubing: _____ Fm: _____ | Prod Csg <u>922</u> Fm: _____ | Intermediate Csg: _____ | Surf. Csg <u>5</u> |
|-------------------------------|---------------------------------|----------------------------|----------------------------------|----------------------------|-----------------------|

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 | <input type="checkbox"/> | <input type="checkbox"/> 112 | <input type="checkbox"/> 921 | | C |
| 05:00 | <input type="checkbox"/> | <input type="checkbox"/> 112 | <input type="checkbox"/> 921 | | D |
| 10:00 | <input type="checkbox"/> | <input type="checkbox"/> 112 | <input type="checkbox"/> 921 | | D |
| 15:00 | <input type="checkbox"/> | <input type="checkbox"/> 113 | <input type="checkbox"/> 921 | | W |
| 20:00 | <input type="checkbox"/> | <input type="checkbox"/> 113 | <input type="checkbox"/> 921 | | W |
| 25:00 | <input type="checkbox"/> | <input type="checkbox"/> 113 | <input type="checkbox"/> 921 | | W |
| 30:00 | <input type="checkbox"/> | <input type="checkbox"/> 113 | <input type="checkbox"/> 921 | | W |

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"/> | | |
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| | <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: flowed well // lasted less than five minutes before evening out with static psi //total Mcf 1.44//

Test requested by Craig Burger, COGCC NW Engineer, Caerus Piceance LLC would like to obtain a wavier from running and MIT on this wellbore.

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

Test Performed By: Rory Birdsey Title: Production Foreman Phone: (970) 309-6339

Signed: Cole Walton Title: Parachute Prod. Engineer Date: 12/13/2017

Witnessed By: _____ Title: _____ Agency: _____