



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: 100322 3. BLM Lease No: _____
2. Name of Operator: NOBLE ENERGY INC
4. API Number; 05-123-26793-00 5. Multiple completion? ☐ Yes ☒ No
6. Well Name: FARMERS Number: 2-14HZ
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE,14,3N,65W,6
8. County WELD 9. Field Name: WATTENBERG
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 04/29/2014
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>346</u> Fm: <u>NBRR</u> | Tubing: _____ Fm: <u>NBRR</u> | Prod Csg <u>378</u> Fm: <u>NBRR</u> | Intermediate Csg: _____ | Surf. Csg <u>540</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

| Elapsed Time (Min:Sec) | Fm: Tubing | Fm: Tubing: | Prod Csg PSIG | Intermedia Csg PSIG | Bradenhead Flow: |
|------------------------|------------|--------------------------|------------------------------|---------------------|------------------|
| 00:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 540 | C |
| 05:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 540 | C |
| 10:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 540 | C |
| 15:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 5 | C |
| 20:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 5 | C |
| 25:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 5 | C |
| 30:00 | NBRR 346 | <input type="checkbox"/> | <input type="checkbox"/> 378 | 5 | C |

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: > 5

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: |
|------------------------|--------------------------|--------------------------|--------------------------|---------------------|------------------|
| | <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"/> | | |
| | <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"/> | | |

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

Instantaneous Intermediate Casing PSIG at end of test: >

Comments:

Gas sample shows bradenhead, some dilution of production gas with biogenic methane.

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

Test Performed By: Rob Ingino Title: Lead Pumper Phone: (970) 539-1809

Signed: Rob Ingino Title: Lead Pumper Date: 4/30/2014

Witnessed By: _____ Title: _____ Agency: _____