

FORM
17Rev
11/20State of Colorado
Oil and Gas Conservation Commission

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Document Number:

403338172

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://cogcc/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. OGCC Operator Number: 100322 3. BLM Lease No: _____

2. Name of Operator: NOBLE ENERGY INC

4. API Number; 05-123-24797-00 5. Multiple completion? ☐ Yes ☐ No

6. Well Name: WASTE MANGEMENT USX Y Number: 3-12

7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW,3,2N,64W,6

8. County WELD 9. Field Name: WATTENBERG

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

11. Date of Test: 02/28/2023

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: 450	Tubing: _____	Prod Csg 500	Intermediate	Surf. Csg
	Fm: _____	Fm: _____	Fm: _____	Csg: _____	7

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	450		500		DOWN TO 0	NONE
BRADENHEAD SAMPLE TAKEN?	05:00	450		500		DOWN TO 0	NONE
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	10:00	450		500		DOWN TO 0	NONE
Character of Bradenhead fluid:	15:00	450		500		DOWN TO 0	NONE
<input type="checkbox"/> Clear <input type="checkbox"/> Fresh	20:00	450		500		DOWN TO 0	NONE
<input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black	25:00	450		500		DOWN TO 0	NONE
Other:(describe)	30:00	450		500		DOWN TO 0	NONE
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 type="checkbox"/> No Confirmed open? <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:
	00:00						
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00						
	10:00						
	15:00						
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) _____	20:00						
	25:00						
	30:00						
	REQUIRED - Instantaneous Intermediate Casing Pressure at End of Test: _____ PSIG						

Comments: SURFACE CSG TEST 500/450/7 PSI. BLED SURFACE CSG DOWN TO 0. THERE WAS NO CHANGE IN THE TBG & CSG PRESSURE DURING THE TEST AND NO VENTING OR FLUID FROM THE SURFACE CSG.

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

Test Performed By: <u>Jorge Nava</u>	Title: <u>Completions Foreman</u>	Phone: <u>(970) 5903111</u>
Signed: <u>Evan Varnas</u>	Title: <u>Reg Analyst</u>	Date: <u>3/6/2023</u>
Witnessed By: _____	Title: _____	Agency: _____