

FORM  
17  
Rev  
11/20

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

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: 10662 3. BLM Lease No: \_\_\_\_\_  
2. Name of Operator: NanKE Energy LLC  
4. API Number: 05-123-14272 5. Multiple completion?  Yes  No  
6. Well Name: Sawyer Number: 32-2  
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE Sec. 32-T61N-R6SW  
8. County Weld 9. Field Name: Wattenberg  
10. Minerals:  Fee  State  Federal  Indian

11. Date of Test: 12/27/2023  
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: <u>510</u> Fm: <u>JSND, DSND</u>	Tubing: <u>N/A</u> Fm: <u>N/A</u>	Prod Csg <u>810</u> Fm: <u>JSND, DSND</u>	Intermediate Csg: <u>N/A</u>	Surf. Csg <u>0 psig</u>
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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

Elapsed Time (Min:Sec)	Fm: <u>JSND, DSND</u> Tubing	Fm: <u>N/A</u> Tubing	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
00:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
05:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
10:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
15:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
20:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
25:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
30:00	<u>510 psig</u>	<u>N/A</u>	<u>810 psig</u>	<u>N/A</u>	<u>0</u>	<u>N</u>
Instantaneous Bradenhead PSIG at end of test: >						<u>0 psig</u>

### 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 H<sub>2</sub>O; 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.

	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:
Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No		1	0	0			
Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No		0	0	0			
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid		0	0	0			
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) _____		0	0	0			
		0	0	0			
		0	0	0			
		0	0	0			
Instantaneous Intermediate Casing PSIG at end of test: > _____							

Comments:

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

Test Performed By: Joshua Berger Title: Lease Operator Phone: 0(970)-673-6099

Signed: [Signature] Title: Lease Operator Date: 12/27/2023

Witnessed-By: \_\_\_\_\_ Title: \_\_\_\_\_ Agency: \_\_\_\_\_