

State of Colorado
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

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 30 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: 10084
2. Name of Operator: MINER RESOURCES 3. BLM Lease No: N/A
4. API Number: 25-071-07046 5. Multiple completion? ☐ Yes ☒ No
6. Well Name: Doughnut Number: 43-14
7. Location (Qtr, Sec, Twp, Rng, Meridian): NESE Sec 14 T34S R65W CR53-1
8. County: Las Animas 9. Field Name: PUGATOIE RIVER
10. Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 11/2/2011
12. Well Status: ☐ Flowing ☐ Shut In
☐ Gas Lift ☒ Pumping ☐ Injection
☐ Clock/Intermittent
☐ Plunger Lift
13. Number of Casing Strings: ☒ Two ☐ Three ☐ Liner?

STEP 1: EXISTING PRESSURES

Record all pressures as found
Tubing: 0 Fm: PSI
Tubing: 5 Fm: PSI
Prod. Casing: 5 Fm: PSI
Intermediate Casing: 0 Fm: PSI
Surface Casing: 0 Fm: PSI

15. STEP 2: See instructions above.

STEP 3: BRADENHEAD TEST

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	<u>0</u>		<u>5</u>		<u>0</u>
05:	<u>7</u>		<u>7</u>		<u>7</u>
10:	<u>7</u>		<u>7</u>		<u>7</u>
15:	<u>7</u>		<u>7</u>		<u>7</u>
20:	<u>7</u>		<u>7</u>		<u>7</u>
25:	<u>7</u>		<u>7</u>		<u>7</u>
30:	<u>7</u>		<u>7</u>		<u>7</u>

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:

Note instantaneous Bradenhead PSIG at end of test: >

STEP 4: INTERMEDIATE CASING TEST

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
00:					2723
05:					8305
10:					8585
15:					
20:					
25:					
30:					

With gauges monitoring production 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:

Note 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: Shane Griffiths Title: Lease Operator 1 Phone: (719) 846-7898

Signed: Shane Griffiths Title: _____ Date: 11-2-2011

WITNESSED BY: _____ Title: _____ Agency: _____