

OGB-22

INSTRUCTIONS

Read Carefully and Comply Fully

This report shall be filed in duplicate with the State Oil and Gas Board at the address below within fifteen (15) days following the test.

The capacity test shall be taken as follows:

- A. The well shall be produced into a pipeline for a period of not less than 72 hours at its allowable with a rate tolerance of ten percent or, if a new well, at a rate approximately equal to the anticipated allowable.
- B. The well shall then be shut in for not more than 72 hours and the wellhead shut-in pressure shall be measured with a dead weight gauge or a precision gauge approved by the Supervisor. If there are accumulated liquids in the wellbore, the operator may determine the formation pressure of the well with a subsurface pressure gauge, in which case the wellhead shut-in pressure shall be calculated from the formation pressure data on the basis that a gas column exists in the flow string. Such calculation shall be made using a method approved by the Board.
- C. Immediately after the shut-in pressure is taken, the well shall be produced to the pipeline for a period of not less than 72 hours. The first 48 hours of the capacity test shall be the stabilization period. The last 24 hours shall be the capacity period and shall be measured with a dead weight gauge or a precision gauge approved by the Supervisor. The average production rate during the capacity period shall be the capacity for the well. Such rate shall not exceed plus or minus 10 percent of the average production rate during the stabilization period. The capacity test shall be considered invalid unless the difference between the shut-in pressure and the flowing pressure is equal to or greater than 50 psi.

The deliverability shall be determined by the following formula:

$$D = C \left[\frac{P_s^2 - (114.65)^2}{P_s^2 - P_f^2} \right]^{.85}$$

D = deliverability in Mcf/day at 114.65 psia

C = capacity, the average production rate during the last 24 hours of the capacity test

P_s = 72-hour wellhead shut-in pressure

P_f = stabilized flowing wellhead pressure taken during the last 24 hours of the capacity test

Make sure that you complete the form correctly and provide all the information requested. **State Oil and Gas Board personnel will not make additions to or change any part of a notarized form.**

State Oil and Gas Board of Alabama

Mailing: P.O. Box 869999
Tuscaloosa, Alabama 35486-6999

Overnight: 420 Hackberry Lane
Tuscaloosa, Alabama 35401

Phone: (205) 349-2852
Fax: (205) 349-2861
www.ogb.state.al.us