

10. A. UTZ
ENGINEER

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Initial _____ Annual _____ Special _____ Date of Test 8-29-56

Company Continental Oil Company Lease Rever B-8 Well No. 4

Unit 0 Sec. 8 Twp. 22 Rge. 34 Purchaser DEMO

Casing 5 1/2 Wt. 17.0 I.D. Set at 3791 Perf. 2965 To 3490

Tubing 3" Wt. 9.3 I.D. Set at 3755 Perf. To

Gas Pay: From 2965 To 3490 L 2965 xG 0.590 -GL 2046 Bar.Press. 13.2

Producing Thru: Casing 31 Tubing 31 Type Well G.O. 2422

Date of Completion: 7-31-1952 Packer _____

Tested Through (Prover) (Choke) (Meter) Type Taps 250/150

FLOW CALCULATIONS

PRESSURE CALCULATIONS

Specific Gravity Separator Gas 69.2

Specific Gravity Flowing Fluid

Pc 973.2 p2 345.3

Absolute Potential: 2360 MCFPD; n 1.01

COMPANY Continental Oil Company

ADDRESS Box 427-Hickory, N.C.

AGENT and TITLE W. D. Howard, Gas Manager

WITNESSED _____

REMARKS

ILLEGIBLE

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressability factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .