NEW MEXICO OIL CONSERVATION COMMISSION

ELVIS A. UTL

HOBBS OFFICE CCC Form C-122 Revised 12-1-55 MULTI-POINT BACK PRESSURE TEST FOR CAS WELLS Formation Lates & Seven Rivers County Lea Pool Emont Initial Annual X Special Date of Test 6-29-56 Company Continental Cil Company Lease Mayer But Well No. 6 Unit __ Sec._ 4 Twp._ 21 Rge._ 36 Purchaser_ El Paso Natural Gas Company 5 1/2" 17.0 3742 Tubing 7 1/2" Wt. 6.5 I.D. Set at 340 Perf. To Gas Pay: From Approx To 3500 L 2582 xG .665 _GL 1717 Bar.Press.____ Producing Thru: Casing 75/8 Tubing Type Well Bradenhead Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp. OBSERVED DATA Type Taps Flange Tested Through (Meter) Flow Data Tubing Data Casing Data (BREEFERDX COCKRISHES) Diff. Press. Temp. Press. Temp. Press. Temp. Duration (Line) (Orifice) of Flow No. o_F. oF. OF. $h_{\mathbf{W}}$ Hr. Size Size psig psig psig 580 1,250 582 840 24 1,250 24 542 1.250 742 73.1 1.250 FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Q-MCFPD Factor Factor No. Factor Fg $F_{p\underline{v}}$ @ 15.025 psia / hwpf (24-Hour) psia Ft 1.045 .910 99.7 .9498 .9534 593.2 9.643 1312 . 9498 1,059 595.2 .9850 2. 9.643 137.8 1,059 1675 温场 9.643 395.2 175.8 1983 . 7478 1.059 9.643 208.5 597.2 PRESSURE CALCULATIONS cf/bbl. Gas Liquid Hydrocarbon Ratio__ 🐣 Specific Gravity Separator Gas_ .665 Gravity of Liquid Hydrocarbons Specific Gravity Flowing Fluid P_C 986.2 P_C 973.(thousands) F_c______,384.3 (1-e⁻⁵) $P_{\mathbf{w}}$ $(\mathbf{F_c}\mathbf{Q})^2$ $(F_cQ)^2$ $P_c^2 - P_w^2$ P_w^2 Cal. $\frac{P_{\boldsymbol{W}}}{P_{\boldsymbol{C}}}$ F_c^Q No. P**w** $(1-e^{-s})$ Pt (psia) 910 .1225 826 350 909.2 726,026 853 .673 .255 728 505 853.2 642.0466 331 .813 .065A 571.0654 755.2 511 Absolute Potential: 4.200 MCFPD; n____ COMPANY Continental Oil Company ADDRESS Box 4-27-Hobbs, N.M.

REMARKS

Well would not draw down 30% producing into line.

AGENT and TITLE N. D. Howard, Gas Tester

WITNESSED COMPANY

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.