190000 NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55 Formation County Les Pool ______ Initial Annual Special Date of Test Company Healts 311 & Refining General Lease 6. 8. Heaffield Well No. 1 Unit Sec. 2 Two Sec. Rge. Purchaser Person Return Goo Co. Casing 📆 I.D. 6.336 Set at 2000 Perf. 3007 To 3135 Wt. 1.D. Set at Perf. Tubing _To____ Gas Pay: From To To L 1123 xG 0.660 -GL 2661 Bar. Press. 13.2 Producing Thru: Casing Tubing I Type Well ______ Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. Date of Completion: Packer Packer OB'LLLAND P'W' Tested Through (Prover) (1994) II I FGIBLE Flow Data KREEKE. (Exter) Press. Diff. Duration (Line) (Orifice) of Flow \circ_{F} . h_w $^{\mathsf{o}}_{F}$. Size Size psigpsig psig Hr. FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Factor Factor Factor Q-MCFPD Ft Fg (24-Hour) @ 15.025 psia hwpf psia $\mathbf{F}_{\mathbf{pv}}$ PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio _____cf/bbl. Specific Gravity Separator Gas 0.660 Specific Gravity Flowing Fluid
Pc Pc Gravity of Liquid Hydrocarbons_ ___deg. F_c 9.996 (1-e⁻⁵) 0.133 $\frac{\left(F_{c}Q\right)^{2}}{\left(1-e^{-s}\right)}$ $P_c^2 - P_w^2$ $(F_cQ)^2$ F_cQ Cal. Pt (psia) Absolute Potential: MCFPD; n 0.566 Markle Oll & Refind COMPANY ADDRESS P. C. Las 2047. District Superintendent AGENT and TITLE of Kin WITNESSED COMPANY

REMARKS

No.

No

No.

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 I 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
- Pw 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 méter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I 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} .