

Form C-122

Revised 12-1-55

Pool Eumont Formation Yates County Lea
Initial _____ Annual _____ Special x Date of Test 3-29 to 4-5-63
Company Shell Oil Company Lease State "H" Well No. 4
Unit I Sec. 13 Twp. 21S Rge. 35E Purchaser El Paso Natural Gas Company
Casing 5 1/2" Wt. 15.5# I.D. 4.976 Set at 3767 Perf. 3310 To 3532
Tubing 2" Wt. 4.7# I.D. 1.995 Set at 3244 Perf. _____ To _____
Gas Pay: From 3310 To 3532 L 3244 xG .673 -GL 2183 Bar.Press. 13.2
Producing Thru: Casing _____ Tubing x Type Well Single
Date of Completion: 4-1-57 Packer 3244 Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

Tested Through	(Pressure) (Gauge)	(Meter)	Type Taps	Flgs.

FLOW CALCULATIONS

PRESSURE CALCULATIONS

Specific Gravity Separator Gas .673
Specific Gravity Flowing Fluid None
P_C 638.2 P_C² 407.3

Absolute Potential: 4.400 MCFPD; n .662

COMPANY Shell Oil Company
ADDRESS P. O. Box 1858, Roswell, New Mexico
AGENT and TITLE A. L. Ellard - Gas Tester
WITNESSED J. B. Murray
COMPANY El Paso Natural Gas Company

REMARKS

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} = Supercompressibility 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 .