

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 22, 1959

Operator El Paso Natural Gas	Lease San Juan 30-6 No. 31 (M)
Location 7908, 1850W; 33-30-6	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 9-5/8 Set At: Feet 3476	Tubing: Diameter 1-1/4 Set At: Feet 5572
Pay Zone: From 5149 To 5611	Total Depth 7872 c/o 7799 Shut In: 7/2/59
Stimulation Method Water Frac.	Flow Test: X

Choke Size, inches .75 Choke Constant 12.365	7" liner 3402-7440, 5" 7362-7870
Shut-in Pressure, Gas 1019 (MV) PSIG 1031 PSIA 20	Shut-in Pressure, Liquid 1011 (MV) PSIG 1023 PSIA
Flowing Pressure, P 452 PSIG 464 PSIA	Flowing Pressure, P _L 515 PSIG 527 PSIA
Temperature, T 81 F .75	Apparent Viscosity, μ_{app} 1.040 Gravity .648

Initial SIPT (Dak) = 2444 psig

Final SIPT (Dak) = 2464 psig

Packer at 7275

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_T$

$$Q = 12.365 \times 452 \times .9804 \times .9645 \times 1.040$$

5496

MCF/D

$$Q = \left(\frac{P_r^2 - P_a^2}{P_c - P_a} \right)^n$$

$$Q = \left(\frac{1062961}{785232} \right)^n \quad 1.3537^{.75} \times 5496 = 1.2550 \times 5496$$

Q = 6897

MCF/D

TESTED BY S. V. Roberts

WITNESSED BY Mr. Fred Cook, N.M.O.C.C.

Lewis D. Galloway
L. D. Galloway