

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **September 25, 1958**

Operator El Paso Natural Gas		Lease Jicarilla 4-C (P)	
Location 1040N, 1600E; 16-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pay Undesignated	
Casing Diameter 7-5/8	Set At Feet 3976	Tubing Diameter 1-1/4	Set At Feet 3819
Pay Zone: From 3812	To 3840	Total Depth c/o 6130	Shut-in 8/15/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 3921 - 6159	
Shut-in Pressure: Casing, PSIG 979	12" PSIA 991	Days Shut-in 41	Shut-in Pressure: Tubing, PSIG 978
Flowing Pressure: P, PSIG 22	12" PSIA 34		Working Pressure: Pw, PSIG 22
Temperature: T, F 57			Flow From Tables: Gravity 1.004
	.85		.721

Initial SIPT (MV) = 1274 PSIG

Final SIPT (MV) = 1273 PSIG

Packer at 3877

2" at 6028

CHOKE VOLUME $Q = C \times P_c \times P_w \times F_g \times F_{gv}$

$$Q = 12.365 \times 34 \times 1.0029 \times .9129 \times 1.004$$

386

MCF/D

$$\text{OPEN FLOW } Q = C \left(\frac{P_c^2 - P_w^2}{P_c - P_w} \right)^n$$

$$Q = \left(\frac{982081 - 980925}{982081 - 980925} \right)^n$$

$$1.0011^{.85} (386) = 1.0009 (386)$$

$$Q = 386 \text{ MCF/D}$$

M. W. Rischard



Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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