

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 19, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 45 (M)	
Location 15508, 1750W; 6-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At Feet 3560	Tubing Diameter 2"	Set At Feet 5574
Per. Zone Error 5156	5646	Total Depth 5749 c/o 5622	Shut in 3/12/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, inches .75	Choke Constant, C 12.365	5-1/2 liner 3499 - 5746
Shut-in Pressure, Casing, PSIG 970 (PC)	PSIA 982	Shut-in Pressure, Tubing, PSIG (MV) 1035
Flowing Pressure, P 274	PSIA 286	Working Pressure, Pw, PSIG Calc. 575
Temperature, T 60	F .75	Gravity 1.038

Initial SIPT (PC) = 970 psig
Final SIPT (PC) 971 psig

Packer at 3576 ft

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

$$Q = 12.365 \times 286 \times .9005 \times 1.038$$

3305

MCF/D

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

$$Q = \left(\frac{1096209}{765584} \right)^n$$

$$1.4318^{.75} \times 3305 \quad 1.3095 \times 3305$$

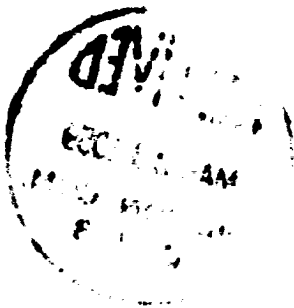
Q = 4328 MCF/D

R. R. Davis



Lewis D Galloway
L. D. Galloway

X



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