

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 18, 1958

Operator El Paso Natural Gas		Lease Allison No.12 (M)	
Location 1825N, 1550E; 14-32-7		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 6030	Tubing: Diameter 2"	Set At: Feet 8129 (Dak)
Pay Zone: From 5796	To 5870	Total Depth 8320	Shut-in 7/26/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG (MV) 1550	PSIA 1562	Days Shut-in 23	Shut-In Pressure, Tubing, PSIG 2255 (D)
Flowing Pressure: P 488	PSIA 500	Working Pressure: P _w Calc.	PSIA 502
Temperature: T 79	F .75	Flow From Tables 1.033	Gravity .580

Final SIPT (D) = 2274 psig Packer 5957

CHOKE VOLUME = Q_c = C × P_c × F_p × F_g × F_{pv}

Q_c = 12.365 × 500 × .9822 × 1.017 × 1.033 6380 MCF/D

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

Aof = $\left(\frac{2439844}{2187840} \right)^n$ (1.1151)^{.75} (6380) = (1.0852)(6380)

Aof = 6,924 MCF/D

TESTED BY Richard Proctor

WITNESSED BY Fred Cook (N.M.O.C.C.)

Checked By M. W. Rischard



L. D. Galloway
L. D. Galloway
by J.H.K.

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