

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE March 16, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 48 (M)	
Location 1650S, 1650W; 19-27-5		County Rio Arriba	State New Mexico
Field Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At Feet 3272	Tubing Diameter 2"	Set At Feet 5381
Flow Zone From 5254	To 5402	Total Depth 5466 c/o 5420	Shut in 3/7/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3221-5468	
Shut-In Pressure, Gas (PC) 1051	PSIG - 12 - PSIA 1063	Days Shut-In 9	Shut-In Pressure, Tubing 1071 (MV)
Flowing Pressure, P 221	PSIG - 12 - PSIA 233	Working Pressure, Pw Calc. 448	PSIG - 12 - PSIA 460
Temperature, T 65	F .75	Fpv (From Table) 1.025	Gravity .680

Initial SIFP (PC) = 1050 psig
Final SIFP (PC) = 1055 psig

Packer at 3286

CHOKE VOLUME - $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 233 \times .9971 \times .9393 \times 1.025$$

2766 MCF/D

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

$$Aof = \left(\frac{1172889}{961289} \right)^n$$

$$1.2201^{.75} \times 2766 = 1.1610 \times 2766$$

Aof 3211 MCF/D

TESTED BY S. V. Roberts

WITNESSED BY



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