

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 9, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-6 No. 86 (M)	
Location 1500N, 1750E; 24-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing Diameter 7-5/8	Set At Feet 3228	Tubing Diameter 2"	Set At Feet 5373
Flow Rate 4226	Shut-in 5364	Total Depth 5447	Shut-in 6/26/58
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 3177 - 5445	
Shut-in Pressure, Casing, PSIG (PC) 1075	PSIG - 12 - PSIA 13	Shut-in Pressure, Tubing, PSIG (MV) 1070	PSIG - 12 - PSIA 1082
Flowing Pressure, P, PSIG 299	PSIG - 12 - PSIA 311	Working Pressure, P _w , PSIG Calc.	PSIG - 12 - PSIA 611
Temperature, T, °F 74	°F .75	Fpv (From Tables) 1.033	Gravity 700

Final SIPC (PC) 1081

Packer at 3247

CHOKE VOLUME = $Q \cdot C \cdot P_r \cdot F_p \cdot F_g \cdot F_v$

$$Q = (12.365)(311)(9868)(9258)(1.033)$$

3629

MCF/D

OPEN FLOW $A_{sf} = Q \left(\frac{P_c^2 - P_w^2}{P_r^2 - P_w^2} \right)^{1/n}$

$$A_{sf} = \left(\frac{1170724}{797403} \right)^{1/n} = \frac{1.4681}{1.3335}$$

$A_{sf} = 4839$ MCF/D



TESTED BY Frank Clark

WITNESSED BY _____

Checked By Tom Grant

Lewis D. Galloway
L. D. Galloway