

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE May 21, 1958

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 26	
Location 1150S, 990W, 19-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8"	Set At Feet 3550'	Tubing Diameter 2"	Set At Feet 5525'
Pay Zone From 5276'	5532'	Total Depth 5584 c/o 5579	Shut-In 5-9-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C 12.365	5-1/2" liner 3255' - 5584'
Shut-In Pressure, Casing 1045	PSIG - 12 - PSIA 1057	Days Shut-in 12
Flowing Pressure, P 385	PSIG - 12 - PSIA 397	Shut-In Pressure, Tubing 1047
Temperature, T 74	F - 12 .75	Working Pressure, Pw 895
		PSIG - 12 - PSIA 907
		Fpv From Tables 1.033
		Gravity .628

CHOKE VOLUME $Q = C \times P \times F \times F_g \times F_{pv}$

$$Q = 12.365 \times 397 \times .9868 \times .9798 \times 1.033 = 4903 \text{ MCF/D}$$

OPEN FLOW $A_{of} = Q \left(\frac{P^2 - P_w^2}{P_i^2 - P_w^2} \right)^n$

$$A_{of} = \left(\frac{11211481}{298832} \right)^n$$

$$3.753^{.75} \times 4903 = 2.695 \times 4903 =$$

$$A_{of} = 13,214 \text{ MCF/D}$$

TESTED BY F. M. Clark

WITNESSED BY

Checked By N. W. Rischard

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