

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 7, 1958

Operator El Paso Natural Gas Company	Lease San Juan 27-5 Unit No. 32 (M)
Locat. 1550N, 1550E; 25-27-5	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing Diameter 7-5/8 Set At Feet 3660	Tubing Diameter 2 Set At Feet 5780
Prod. Zone Depth 5642 To 5796	Total Depth 5835 c/o 5810 Shut in 9/4/58
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3611 - 5835
Shut-in Pressure, Casing, PSIG 995 (PC)	PSIG + 12 PSIA 1007	Days Shut-In 33
Flowing Pressure, P 286	PSIG + 12 PSIA 298	Shut-in Pressure, Tubing, PSIG 1139 (MV)
Temperature, T 62		PSIG + 12 PSIA 1151
		Working Pressure, Pw, PSIG Calc.
		PSIG + 12 PSIA 607
		Spv. From Tables 1.029
		Gravity .653

Initial SIPT (PC) = 995 PSIG
Final SIPC (PC) = 1000 PSIG

Packer at 3657

CHOKE CONSTANT, C = C₁ x P₁ x F₁ x F₂ x F₃

$$12.365 \times 298 \times .9981 \times .9608 \times 1.029 = 3636 \text{ MCF/D}$$

OPEN FLOW = $\left(\frac{P_1 - P_2}{P_1 - P_w} \right)^n$

$$\left(\frac{1,324,801}{956,352} \right)^n$$

$$1.3852^{.75} \times 3636 = 1.2765 \times 3636$$

Acft 4641 MCF/D

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