

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE December 12, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 No. 77 (P)	
Location 1660'S, 1750'W, Sec. 2-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated.	
Casing: Diameter 7-5/8	Set At: Feet 3434	Tubing: Diameter 1-1/4	Set At: Feet 3318
Pay Zone: From 3250	To 3314	Total Depth: 5645	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		5-1/2" liner. 3352 - 5635	
Shut-In Pressure, Casing, 1063 PC	PSIG	+ 12 = PSIA 1075	Days Shut-In 16	Shut-In Pressure, Tubing 1063 PC	PSIG + 12 = PSIA 1075
Flowing Pressure: P 132	PSIG	+ 12 = PSIA 144		Working Pressure: Pw 145	PSIG + 12 = PSIA 157
Temperature: T 55	°F	n = .850		Fpv (From Tables) 1.014	Gravity .670

Final SIPT (MV) - 970 psig. 2" set at 5495. Sleeve at 3314. Packer at 3377

Initial SIPT (MV) - 971 psig.

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 12.365 \times 144 \times 1.0048 \times .9463 \times 1.014 = 1717 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,155,625}{1,130,976} \right)^n \cdot 1.0217^{.85} \times 1717 = 1.0184 \times 1717$$

$$A_{of} = 1749 \text{ MCF/D}$$

TESTED BY R. R. Davis

WITNESSED BY _____

cc: E. S. Oberly (6)



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