

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE January 13, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 93 (P)	
Location 840'S, 1550'W, Sec. 9-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3312	Tubing: Diameter 1-1/4	Set At: Feet 3168
Pay Zone: From 3130	To 3180	Total Depth: 5719	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner. 3281 - 5716	
Shut-In Pressure, Casing, PSIG PC 991	- 12 = PSIA 1003	Days Shut-In 23	Shut-In Pressure, Tubing PSIG PC 991	- 12 = PSIA 1003	
Flowing Pressure: P PSIG 581	- 12 = PSIA 593		Working Pressure: Pw PSIG 563	- 12 = PSIA 575	
Temperature: T 63	F 0.85		Fpv (From Tables) 1.056	Gravity 0.631	

Initial SIPT (MV) - 1038 psig. Final SIPT (MV) - 1054 psig. 2" at 5610. Packer at 3330

CHOKE VOLUME = $Q \cdot C \cdot P_c \cdot F_c \cdot F_g \cdot F_{pv}$

$$Q = 12.365 \times 593 \times .9971 \times .9759 \times 1.056 = 7535 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,006,009}{675,384} \right)^n = 1.4895^{.85} \times 7535 = 1.4030 \times 7535$$

$$Aof = 10,572 \text{ MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)



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