

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE September 4, 1957

Operator El Paso Natural Gas Company		Lease Rincon No. 98	
Location 990'N, 990'E, Sec. 21-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3346	Tubing: Diameter 1-1/4	Set At: Feet 3209
Pay Zone: From 3176	To 3212	Total Depth: 5655 - c/o 5510	
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 - 3288-5653	
Shut-In Pressure, Casing, PSIG 1071	- 12 = PSIA 1083	Days Shut-in 40	Shut-In Pressure, Tubing PSIG 1071	- 12 = PSIA 1083	
Flowing Pressure: P PSIG 324	- 12 = PSIA 336		Working Pressure: Pw PSIG 341	- 12 = PSIA 353	
Temperature: T °F 68	n = 0.85		Fpv (From Tables) 1.030	Gravity .630	

SIPT (MV) Initial - 1028 psig; Final 1028 psig. Packer at 3326. Sleeve at 3230. 2" at 5215

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

$$Q = 12.365 \times 336 \times .9924 \times .9759 \times 1.030 = 4144 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,172,889}{1,048,280} \right)^n = 1.1188^{.85} \times 4144 = 1.1000 \times 4144$$

$$Aof = 4558 \text{ MCF/D}$$



TESTED BY S. V. Roberts and R. R. Davis

WITNESSED BY _____

cc: E. J. Coal, Jr. (6)

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