

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

Operator El Paso Natural Gas Company		Lease Rincon No. 85	
Location 1650'N, 890'E, Sec. 15-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3445	Tubing: Diameter 2	Set At: Feet 5617
Pay Zone: From 5024	To 5660	Total Depth: 5755 - c/o 5680	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner - 5755	
Shut-In Pressure, Casing, PSIG PC 984	+ 12 = PSIA	Days Shut-In 49	Shut-In Pressure, Tubing PSIG 1083	+ 12 = PSIA 1095	
Flowing Pressure: P PSIG 281	+ 12 = PSIA 293		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 583	
Temperature: T °F 75	n = .75		F _{pv} (From Tables) 1.029	Gravity .690	

Final SIPC (PC) - 989 psig. Packer at 3561.

CHOKE VOLUME = $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 293 \times .9859 \times .9325 \times 1.029 = 3427 \text{ MCF/D}$$

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

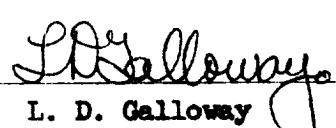
$$Aof = \left(\frac{1,199,025}{859,136} \right)^{.75} = 1.3956^{.75} \times 3427 = 1.2835 \times 3427$$

$$Aof = 4399 \text{ MCF/D}$$

TESTED BY R. A. Ullrich and R. Proctor

WITNESSED BY _____

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


L. D. Galloway
