

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 6, 1979

Operator El Paso Natural Gas Company		Lease Rincon Unit #126 (MV)	
Location SW 27-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7"	Set At: Feet 7718	Tubing: Diameter 1 1/4	Set At: Feet 5528
Pay Zone: From 4872	To 4972	Total Depth: 7718	Shut In 5-22-79
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 700	+ 12 = PSIA 712	Days Shut-In 15	Shut-In Pressure, Tubing PSIG Dead	+ 12 = PSIA 0	
Flowing Pressure: P PSIG 32	+ 12 = PSIA 44		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 201	
Temperature: T = 62 °F	F _t = .9981	n = .75	F _{pv} (From Tables) 1.004	Gravity .650	F _g = 9608

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365 \times 44 \times .9981 \times .9608 \times 1.004 = \underline{524} \text{ MCF/D}$$

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

$$Aof = \left(\frac{506944}{466543} \right)^n Q = (1.0866)^{.75} (524) = (1.0643) (524)$$

$$Aof = \underline{558} \text{ MCF/D}$$

NOTE: Well Blew Dry Gas Throughout Test
and Vented 74 MCF To The Atmosphere.

TESTED BY N. Rogers

WITNESSED BY _____

C. R. Wagner
Well Test Engineer