

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 26, 1973

Operator El Paso Natural Gas Company		Lease Storey No. 8	
Location 1840'N, 900'W, Section 27, T28N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2706	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2534	To 2620	Total Depth: 2706	Shut In 4-16-73
Stimulation Method .SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 940	+ 12 = PSIA 952	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 120	+ 12 = PSIA 132		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 162
Temperature: T=62 °F	n = F _t = .9981		F _{pv} (From Tables) 1.012	Gravity .645 F _g = .9645

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

$$Q = (12.365)(132)(.9981)(.9645)(1.012) = 1590 \text{ MCF/D}$$

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

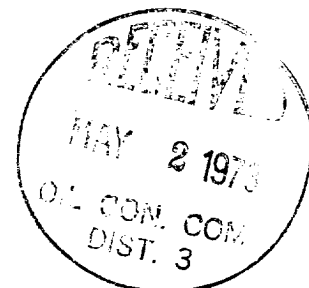
NOTE: The well produced dry gas

$$Aof = Q \left(\frac{906304}{880060} \right)^{.85} = 1590 (1.0298)^{.85} = 1590 (1.0253)$$

$$Aof = 1631 \text{ MCF/D}$$

TESTED BY D. Norton

WITNESSED BY _____



William D. Welch, Well Test Engineer