

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 4/25/73

Operator El Paso Natural Gas Company		Lease Dryden #6	
Location 1180'/S, 885'/E, Sec. 21, T28N, R8W		County San Juan	State NM
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2490	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2376	To 2426	Total Depth: 2491	Shut In 4/12/73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 985	+ 12 = PSIA 997	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 85	+ 12 = PSIA 97	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA	118	
Temperature: T = 60 °F	F _t = 1.000	n = .85	F _{pv} (From Tables) 1.007	Gravity .645	F _g = .9645

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

$$Q = (12.365) (97) (1.000) (.9645) (1.007) = \underline{1165} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{994009}{980085} \right)^n = 1165 (1.0142)^{.85} = 1165 (1.0121)$$

$$Aof = \underline{1180} \text{ MCF/D}$$

NOTE: The well produced dry gas.

TESTED BY W. Welch

WITNESSED BY _____

William D. Welch

William D. Welch, Well Test Engineer

