

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 2, 1973

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 172	
Location 1750'S, 890'E, Section 35, T28N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing Diameter 2-7/8	Set At: Feet 3226	Tubing Diameter No Tubing	Set At: Feet
Pay Zone: From 3124	To 3162	Total Depth: 3226	Shut In 6-18-73
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 933	+ 12 = PSIA 945	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 139	+ 12 = PSIA 151		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 192	
Temperature: T = 61 °F	F _t = .9990	n = .85	F _{pv} (From Tables) 1.013	Gravity .645	F _g = .9645

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

$$Q = (12.365) (151) (.9990) (.9645) (1.013) = 1822 \text{ MCF/D}$$

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

NOTE: Well produced dry gas.

$$Aof = Q \left(\frac{893025}{856161} \right)^n = 1822 (1.0431)^{.85} = 1822 (1.0365)$$

$$Aof = 1889 \text{ MCF/D}$$

TESTED BY Bobby Broughton

WITNESSED BY _____



William D. Welch
William D. Welch, Well Test Engineer