

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 30, 1973

Operator El Paso Natural Gas Company		Lease Riddle G No. 2	
Location 1540'S, 1500'E, Section 7, T28N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2259	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2160	To 2220	Total Depth: 2259	Shut In 4-23-73
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 823	+ 12 = PSIA 835	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 56	+ 12 = PSIA 68		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 87	
Temperature: T = 59 °F	n = Ft = 1.001		Fpv (From Tables) 1.007	Gravity .645	Fg = .9645

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

$$Q = (12.365) (68) (.9645) (1.001) (1.007) = \underline{818} \text{ MCF/D}$$

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

NOTE: The well produced a very light mist of water throughout test.

$$Aof = Q \left(\frac{697225}{689656} \right)^n = (1.011)^{.85} \quad (818) = 1.0093 \times 818$$

$$Aof = \underline{826} \text{ MCF/D}$$

TESTED BY B. Broughton

WITNESSED BY _____



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