

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

Operator El Paso Natural Gas Company		Lease Jones "A" No. 8	
Location 1840 ¹⁸⁵⁰ 'N, 1000 ¹⁵⁰⁰ 'E, Section 15, T28N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Ext.</i>		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2568	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2388	To 2502	Total Depth: 2568	Shut In 4-18-73
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 940	+ 12 = PSIA 952	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 87	+ 12 = PSIA 99	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA		
Temperature: T = 60 °F	n = .85	F _{pv} (From Tables) 1.007	Gravity .645	F _g = .9645	

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

$$Q = (12.365) (99) (1.000) (.9645) (1.007) = \underline{1189} \text{ MCF/D}$$

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

NOTE: Well produced dry gas

$$Aof = Q \left(\frac{906304}{892143} \right)^n = 1189 (1.0159)^{.85} = 1189 (1.0135)$$

$$Aof = \underline{1205} \text{ MCF/D}$$

TESTED BY W. D. Welch

WITNESSED BY _____

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

