

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 30, 1973

Operator El Paso Natural Gas Company		Lease Day "A" No. 16	
Location 1460'S, 1660'E, Section 8, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs Ext		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3119	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3014	To 3044	Total Depth: 3119	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 972	+ 12 = PSIA 984	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 177	+ 12 = PSIA 189		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA	
Temperature: T= 55 °F	n = Ft=1.0048		Fpv (From Tables) 1.018	Gravity .645	Fg = .9645

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

$$Q = 12.365 \times 189 \times 1.0048 \times .9645 \times 1.018 = \underline{2306} \text{ MCF/D}$$

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

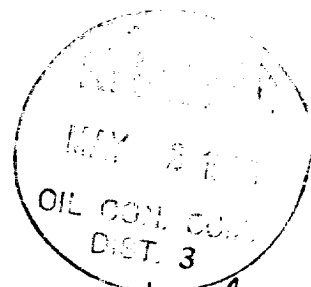
NOTE: Blew dry gas entire test

$$Aof = Q \left(\frac{968256}{910656} \right)^n = (1.0633)^{.85} \times (2306) = 1.0536 \times 2306$$

$$Aof = \underline{2430} \text{ MCF/D}$$

TESTED BY J. B. Goodwin

WITNESSED BY _____



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