

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 29, 1975

Operator El Paso Natural Gas Company		Lease Caperton #1	
Location NE Sec. 32, T30N, R8E		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3003'	Tubing: Diameter Tubingless Completion	Set At: Feet
Pay Zone: From 2898'	To 2950'	Total Depth: PBT 3003'	Shut In 5-15-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 919	+ 12 = PSIA 931	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 32	+ 12 = PSIA 44		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 55	
Temperature: T = 53 °F	F _t = 1.0068	n = .85	F _p (From Tables) 1.004	Gravity .665	F _g = 0.9498

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

$$Q = 12.365(44)(1.0068)(0.9498)(1.004) = \underline{522} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{866761}{863736} \right)^n = 522(1.0035)^{.85} = 522(1.0030)$$

$$Aof = \underline{524} \text{ MCF/D}$$

Note: The well blew a light spray of water, oil and a small amount of frac sand. The well vented 76.17 MCF gas.

TESTED BY R. Hardy

WITNESSED BY _____

Sandy W. Bink
Well Test Engineer

