

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 7, 1970

Operator El Paso Natural Gas Company		Lease Huelfano Unit No. 14-Y	
Location 1850 S, 790 W, S 5, T26N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool West Kutz	
Casing: Diameter 2.875	Set At: Feet 2300	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2172	To 2198	Total Depth: 2300	Shut In 12-26-69
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 221	+ 12 = PSIA 233	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 82	+ 12 = PSIA 94	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 112		
Temperature: T= °F Ft=	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608	

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

$$Q = 12.365 \times 94 \times .9971 \times .9608 \times 1.009 = 1124 \text{ MCF/D}$$

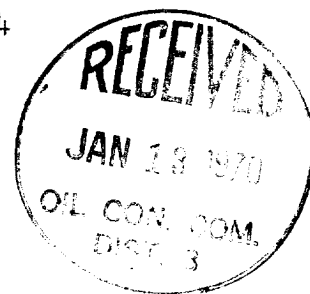
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{54289}{41745} \right)^{.85} = (1.3005)^{.85} 1124 = 1.2500 \times 1124$$

$$Aof = 1405 \text{ MCF/D}$$

TESTED BY B. J. Broughton & J. Goodwin

WITNESSED BY _____



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