

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 15, 1973

Operator El Paso Natural Gas Company		Lease Klein #22	
Location 1700/N, 1800/E, Sec. 30, T26N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 3670'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3520	To 3540	Total Depth: 3670	Shut In 10-4-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 767	+ 12 = PSIA 779	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 50	+ 12 = PSIA 62		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 80	
Temperature: T = 60 °F	n =		F _{pv} (From Tables) 1.009	Gravity .655	F _g = .9571
F _t = 1.000	.75				

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

$$Q = (12.365) (62) (1.000) (.9571) (1.009) = \underline{\quad 740 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{606841}{600441} \right)^n = 740 (1.0107)^{.75} = 740 (1.0080)$$

$$Aof = \underline{\quad 746 \quad} \text{ MCF/D}$$

Note: Well produced dry gas.

TESTED BY Rhames

WITNESSED BY _____



William D. Welch

William D. Welch
Well Test Engineer