

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 2, 1975

RETEST

Operator El Paso Natural Gas Company		Lease Lindrith Unit #73	
Location 1850/N, 1520/E, Sec. 19, T24N, R2W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3196'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3110'	To 3138'	Total Depth: PBT 3196'	Shut In 8-19-75
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 550	+ 12 = PSIA 562	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 4	+ 12 = PSIA 16	Working Pressure: P _w PSIG Calculated		+ 12 = PSIA 20
Temperature: T = 60 °F F _t = 1.000	n = .85	F _{pv} (From Tables) 1.004		Gravity .665 F _g = .9498

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

$$Q = 12.365(16)(1.000)(.9498)(1.004)$$

$$= \underline{\hspace{2cm}} 189 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{315844}{315444} \right)^n = 189(1.0013)^{.85} = 189(1.0011)$$

$$Aof = \underline{\hspace{2cm}} 189 \text{ MCF/D}$$

Note: This well produced dry gas. During the test 33.96 MCF of gas was vented to atmosphere.

TESTED BY Johnson

WITNESSED BY _____

[Signature]
Well Test Engineer

