

OPEN FLOW TEST DATA

DATE 6-12-68

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 72	
Location 800'N, 1800'W, Sec. 25, T-24-N, R-3-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3261	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 3143	To 3203	Total Depth: 3250	Shut In 6-4-68
Stimulation Method Sand Water Frec		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 325	+ 12 = PSIA 857	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 179	+ 12 = PSIA 191	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 243		
Temperature: T = 60 °F	F _t = 1.0000	n = .85	F _p (From Tables) 1.019	Gravity .675	F _g = .9427

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

$$Q = (12.365)(191)(1.0000)(.9427)(1.019) = 2269 \text{ MCF/D}$$

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

$$Aof = \left(\frac{700569}{641520} \right)^n = (2269)(1.0920)^{.85} = (2269)(1.0777)$$

NOTE: The well produced a light spray of water and dist. throughout the test.

$$Aof = 2445 \text{ MCF/D}$$

TESTED BY Dan RobertsCALCULATED
WITNESSED BY H. E. McAnally

T. B. Grant