

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 12, 1968

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 71	
Location 1130'S, 1330'E, Sec. 24, 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 3233	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 3190	To 3222	Total Depth: 3240	Shut In 6-4-68
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 960	+ 12 = PSIA 972	Days Shut-In 8	Shut-In Pressure, Tubing PSIG NO TUBING	+ 12 = PSIA	
Flowing Pressure: P PSIG 105	+ 12 = PSIA 117	Working Pressure: P _w PSIG CALC.	+ 12 = PSIA 149		
Temperature: T = 59 °F	n = F _t = 1.0010	F _{pv} (From Tables) 1.011	Gravity .675F _g = .9427		

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

$$Q = (12.365)(117)(1.0010)(.9427)(1.011) = 1380 \text{ MCF/D}$$

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

$$Aof = \left(\frac{944734}{922533} \right)^n = (1380)(1.0240)^{.85} = (1380)(1.0204)$$

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

$$Aof = 1408 \text{ MCF/D}$$

TESTED BY D. R. RobertsCALCULATED
WITNESSED BY H. E. McAnally

T. B. Grant