

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 15, 1974

Operator El Paso Natural Gas Company		Lease Lindrith Unit #79	
Location 1460/S, 1840/W, Sec. 18, T24N, R2W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3271'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3146	To 3172	Total Depth: PBD 3271 3261	Shut In 10-8-74
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 891	+ 12 = PSIA 903	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 72	+ 12 = PSIA 84		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 107	
Temperature: T = 56 °F	Ft = 1.0039	n = .85	Fpv (From Tables) 1.009	Gravity .665	Fg = 0.9498

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

$$Q = 12.365(84)(1.0039)(0.9498)(1.009) = \underline{\quad 999 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{815409}{803960} \right)^n = 999(1.0142)^{.85} = 999(1.0121)$$

$$Aof = \underline{\quad 1011 \quad} \text{ MCF/D}$$

Note: The well blew dry gas.

TESTED BY D. Norton

WITNESSED BY _____

Loren W. Fothergill
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Well Test Engineer

