

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 2, 1967

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 67	
Location 1830'S, 1050'W, Sec. 19, T-24-N, R-2-W		County Rio Arriba	State New Mexico
Formation Fractured Cliffs		Pool So. Blanco	
Casing: Diameter 2.75	Set At: Feet 3132	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2955	To 3074	Total Depth: 3135	Shut In 7-21-67
Stimulation Method Sand water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 141	PSIG	+ 12 = PSIA 953	Days Shut-In 12	Shut-In Pressure, Tubing No tubing	PSIG
Flowing Pressure: P 109	PSIG	+ 12 = PSIA 121		Working Pressure: Pw Calc.	PSIG
Temperature: T = 56 °F	F _t = 1.0039	n = .85		Fpv (From Tables) 1.010	Gravity .650
					Fg = .9608

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

$$Q = (12.365)(121)(1.0039)(.9608)(1.010) = \underline{1458} \text{ MCF/D}$$

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

$$Aof = \left(\frac{908209}{884800} \right)^n = (1458)(1.0264)^{.85} = (1458)(1.0224)$$

$$Aof = \underline{1491} \text{ MCF/D}$$

TESTED BY D. R. RobertsCHECKED BY T. B. GrantCALCULATED BY A. J. Loleit

 H. L. Kendrick