

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 7, 1962

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 46	
Location 1500'N, 1650'E, Sec. 15-24-3		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3238	Tubing: Diameter None	Set At: Feet ----
Pay Zone: From 3136	To 3160	Total Depth: 3240	Shut In 5-26-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches .750		Choke Constant: C 12.365		"Tubingless Completion"	
Shut-In Pressure, Casing, PSIG 962	+ 12 = PSIA 974	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG No Tubing	+ 12 = PSIA ----	
Flowing Pressure: P, PSIG 126	+ 12 = PSIA 138		Working Pressure: P _w , PSIG Calc.	+ 12 = PSIA 175	
Temperature: T 58 F	F _t 1.0019		F _{pv} (From Tables) 1.013	Gravity .665	F _g .9498

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

$$Q (12.365)(138)(1.0019)(.9498)(1.013) = 1645 \text{ MCF/D}$$

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

$$Aof = \left(\frac{948,676}{918,051} \right)^n (1645)(1.0333)^{.88} = (1645)(1.0282)$$

$$Aof = 1691 \text{ MCF/D}$$

TESTED BY C. R. Wagner

WITNESSED BY _____

Checked by W. D. Dawson

Lewis D. Galloway
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