

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 9, 1958

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 22	
Location NW 19-24-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 3134	Tubing: Diameter 1-1/4	Set At: Feet 3076
Pay Zone: From 3080	To 3106	Total Depth: TD 3145 - c/o 3120	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 992	- 12 = PSIA 1004	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG 992	- 12 = PSIA 1004	
Flowing Pressure: P, PSIG 174	- 12 = PSIA 186		Working Pressure: P _w , PSIG 180	- 12 = PSIA 192	
Temperature: T, °F 54	n = .85		F _{pv} (From Tables) 1.018	Gravity 657	

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

$$Q = 12.365 \times 186 \times 1.0058 \times .9571 \times 1.018 = 2254 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,008,016}{971,152} \right)^n = 1.0379^{.85} \times 2254 = 1.0321 \times 2254$$

$$A_{of} = 2326 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL COMPANY		ADMISSION
PAYING OFFICE		OFFICE
	3	
	1	
	1	
	1	✓