

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 8, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #224	
Location 1550/S, 800/W, Sec. 1, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3035'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2896	To 2966	Total Depth: PSTD 3035'	Shut In 4-17-74
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 677	+ 12 = PSIA 689	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P, PSIG 128	+ 12 = PSIA 140		Working Pressure: P _w , PSIG Calculated	+ 12 = PSIA 175	
Temperature: T = 62 °F	F _t = .9981	n = .85	F _p (From Tables) 1.015	Gravity .700	F _g = .9258

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_p

$$Q = 12.365(140)(.9981)(.9258)(1.0150) = 1624 \text{ MCF/D}$$

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

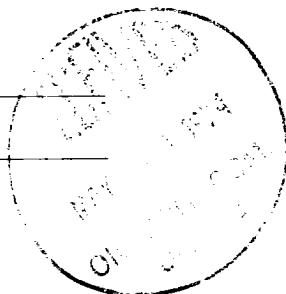
$$Aof = Q \left(\frac{474721}{444096} \right)^{.85} = 1624(1.0690)^{.85} = 1624(1.0583)$$

Aof = 1718 MCF/D

Note: The well produced a dry flow.

TESTED BY Goodwin

WITNESSED BY



Loren W. Fothergill

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