

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 15, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #161	
Location 1190/N, 990/W, Sec 5, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3850'	Tubing: Diameter 1.660	Set At: Feet 3763'
Pay Zone: From 3664	To 3797	Total Depth: 3850	Shut In 4-1-74
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG	+ 12 = PSIA	Days Shut-In 45	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
			937	949	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
13	25		Calculated	100	
Temperature: T = 60 °F	n = F _t = 1.000		F _{pv} (From Tables) 1.0040	Gravity .660	F _g = .9924
	.75				

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

$$Q = 12.365(25)(1.000)(.9924)(1.0040) = \underline{\quad 308 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{890601}{890601} \right)^n = 308(1.0112)^{.75} = 308(1.0084)$$

$$Aof = \underline{\quad 311 \quad} \text{ MCF/D}$$

Note: The well blew a heavy fog of water.

TESTED BY Goodwin

WITNESSED BY



Loren W. Fothergill

Loren W. Fothergill
Well Test Engineer