

OPEN FLOW TEST DATA

DATE November 22, 1963

Operator E. L. Fundingsland		Lease Sunico - Federal No. 19	
Location 1850/S+790/E Sec. 26-T24N-R2W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	
Casing: Diameter 4 1/2"	Set At: Feet 3293	Tubing: Diameter	Set At: Feet
Pay Zone: From 3192	To 3215	Total Depth: 3303	Shut In
Stimulation Method Sand - water frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 637	+ 12 = PSIA 649	Days Shut-In 7	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 97	+ 12 = PSIA 109	Working Pressure: Pw PSIG 205	+ 12 = PSIA 217		
Temperature: T = 40 °F	n = 1.0198	Fpv (From Tables) 1.005	Gravity .670	Fg = .9463	

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

$$Q = \underline{\hspace{2cm}} \text{1307} \text{ MCF/D}$$

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

$$Aof = \left(\frac{421201}{374112} \right)^n = (1307)(1.1258)^{.85} = (1307)(1.1059)$$

$$Aof = \underline{\hspace{2cm}} \text{1445} \text{ MCF/D}$$

TESTED BY W. T. Bryan

WITNESSED BY _____



J. A. Cole