

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 17, 1959

Operator Benson-Montin-Greer		Lease Hill No. 10	
Location 890N, 795E; 22-25-3		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5-1/2	Set At Feet 3865	Tubing Diameter 1-1/4	Set At Feet 3811
Pay Zone Feet 3794	3810	Total Depth 3865	Shut In: 6/8/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, inch .75	Choke Constant 12.365		
Shut-in Pressure, PSI 813	PSIG 825	Flowing Pressure, PSI 633	PSIG 645
Flowing Pressure, PSI 633	PSIG 645	Flowing Pressure, PSI 658	PSIG 670
Temperature, °F 72	.85	Flowing Pressure, PSI 1.057	Gravity .636

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 645 \times .9887 \times .9721 \times 1.057 \quad 8102 \quad \text{MCF/D}$$

$$\text{OPEN FLOW } A_{OF} = Q \left(\frac{P_1}{P_2} \right)^n$$

$$\left(\frac{680625}{231725} \right)^n \quad 2.9372^{.85} \times 8102 = 2.4999 \times 8102$$

A-1 20254 MCF/D

S. V. Roberts

Virgil Stoabs (B.M.G.)



Lewis D. Galloway
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