

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 25, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 86	
Location 890'S, 900'E, Sec. 15-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 5 $\frac{1}{2}$	Set At: Feet 3210	Tubing: Diameter 1 $\frac{3}{4}$	Set At: Feet 3156
Pay Zone: From 3130	To 3160	Total Depth: 3210 - c/o - 3170	
Stimulation Method Sand Water		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches	0.75	Choke Constant: C	14.1605
Shut-in Pressure, Casing, PSIG	995	12 - PSIA	1007
Days Shut-In	12		
Shut-in Pressure, Tubing PSIG	995	12 - PSIA	1007
Flowing Pressure: P PSIG	244	12 - PSIA	256
Working Pressure: P _w PSIG	253	12 - PSIA	265
Temperature: T	52		.85
F _{pv} (From Tables)	1.026	Gravity	.640

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

14.1605 x 256 x 1.0078 x .9682 x 1.026 3629 MCF D

$$\text{OPEN FLOW: } \Delta \phi = Q \left(\frac{L}{K} + \frac{P_s - P_w}{P_s - P_w} \right)^n$$

1,014,049
943,824

3857

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