

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 21, 1958

Operator El Paso Natural Gas Company		Lease Jicarilla No. 15-H	
Location 1650S, 1650W; 8-24-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 2768	Tubing: Diameter 1-1/4	Set At: Feet 2723
Pay Zone: From 2673	To 2746	Total Depth 2769 c/o 2755	Shut-in 3-11-58
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 14.1605		
Shut-In Pressure: Casing 896	PSIG	12 PSIA	Days Shut-In 31
Working Pressure: P 25	PSIG	12 PSIA	Shut-In Pressure: Tubing 896
Temperature T 62			PSIG
			12 PSIA
			Working Pressure: Pw 27
			PSIG
			12 PSIA
			Flow Through Casing 27
			PSIG
			12 PSIA
			Flow Through Tubing 39
			PSIG
			12 PSIA
			Flow Through Casing 1.004
			PSIG
			12 PSIA
			Flow Through Tubing .705
			PSIG
			12 PSIA

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$Q = (14.1605) (37) (.9981) (.9225) (1.004) = 484$ MCF D

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

$A_{of} = \left(\frac{824464}{822943} \right)^n (1.0018)^{.85} (484) = (1.00153) (484)$

$A_{of} = 485$ MCF D

TESTED BY **S. V. Roberts**

WITNESSED BY **Virgil Stoabs (B.M.G.)**

Lewis D. Galloway
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