

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **September 29, 1958**

Operator El Paso Natural Gas Company		Lease Allison 17 (M)	
Location 1650B, 1650W; 24-32-7		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 9-5/8	Set At: Feet 3613	Tubing: Diameter 2"	Set At: Feet 8006
Pay Zone: From 5704	To 5780	Total Depth: 8121 c/o 8106	Shut in 9/5/58
Stimulation Method Sand Water Frac.		Flow Through: Casing X	Flow Through: Tubing

Choke Size, Inches .75	Choke Constant, C 12.365	Circ. sleeve 6433	
Shut-In Pressure, Casing, PSIG 1049 (MV)	12 - PSIA 1061	5-1/2 casing at 8101	Packer 6467
Flowing Pressure, P, PSIG 345	12 - PSIA 357	Shut-In Pressure, Tubing, PSIG 2746 (D)	2758
Temperature, T, F 67	.75	Working Pressure: Pw, PSIG Calc.	375
		Fpv (From Tables) 1.029	Gravity .618

Initial SIPT (D) = 2746 PSIG
Final SIPT (D) = 2772 PSIG

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

$Q = 12.365 \times 357 \times .9933 \times .9877 \times 1.029 = 4456$ MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^{1/n}$

$A_{of} = \left(\frac{1125721}{985096} \right)^{1/2} \times 1.1427^{.75} (4456) = 1.1052 (4456)$

$A_{of} = 4925$ MCF/D

Jesse B. Goodwin

WITNESSED BY

Checked By M. W. Rischard

L. D. Galloway
L. D. Galloway



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