

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 23, 1960**

Operator El Paso Natural Gas Company	Lease San Juan 30-5 Unit No. 30-21
Location 18408, 890W; 21-30N-5W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing Diameter 7-5/8 Set At Feet 3732	Tubing Diameter 2" Set At Feet 5830
Pay Zone From 5476 To 5815	Total Depth 5928 x/o 5871 Shot In 5/8/60
Stimulation Method Sand Water Frac.	Flow Through Casing Flow Through Tubing

Choke Size, Inches .75	Choke Constant 12.365	5-1/2" liner 3702-5914
Shut-In Pressure, Casing 1154	PSIA 1166	Days Shut-In 15
Shut-In Pressure, Tubing 1153	PSIG 1153	PSIA 1165
Working Pressure, P 215	PSIG 227	Working Pressure, Pw 602
PSIA 602	PSIA 614	Gravity .578
Temperature 62	.9981	.75
		1.015
		1.021

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$$Q = 12.365 \times 227 \times .9981 \times 1.021 \times 1.015$$

2903

MCF/D

OPEN FLOW Act

$$\left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$\left(\frac{1359556}{982560} \right)^n$$

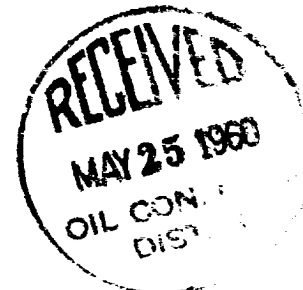
$$1.3836^{.75} \times 2903 = 1.2755 \times 2903$$

Act

3703

MCF/D

W. D. Dawson



Lewis D. Galloway
L. D. Galloway