

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE March 20, 1958

Operator El Paso Natural Gas		Lease San Juan 28-5 Unit No. 29	
Location 950N, 1750E 18-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At Feet 3752	Tubing Diameter 2"	Set At Feet 5850
Pay Zone From 5744	To 5888	Total Depth 5951	shut-in 3-9-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12-365	5-1/2 liner 3686 to 5937	
Shut-In Pressure, Casing, PSIA 1060	Days Shut-in 11	Shut-In Pressure, Tubing, PSIA 1058	1070
Flowing Pressure, Casing, PSIA 468	Flowing Pressure, Tubing, PSIA 480	Working Pressure, Casing, PSIA 848	Working Pressure, Tubing, PSIA 860
Temperature, Casing, F 68	Temperature, Tubing, F 75	Spv From Tackles 1.054	Gravity 0.685

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

$Q = 12.365 \times 480 \times .9924 \times 0.9359 \times 1.054 \times 5810 \times \text{MCF/D}$

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_A^2} \right)^n$$

$$Aof = \left(\frac{1149184}{409584} \right)^n$$

$$(2.8057)^{.75} \times 5810 = 2.1690 \times 5810 =$$

$Aof = 12,602 \times \text{MCF/D}$

TESTED BY **Jess Goodwin**

WITNESSED BY

Checked By: **H. L. Kendrick**

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

FIELD OFFICE

NO. 1

NO. 2

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