

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **March 28, 1958**

Operator El Paso Natural Gas Company		Lease San Juan 29-7 Unit No. 63	
Location 1480N, 600E, 10-29-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8"	Set At: Feet 3431"	Tubing: Diameter 2"	Set At: Feet 5592'
Pay Zone: From 5022'	To 5550'	Total Depth: 5640	Tbg. set 3-20-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke size, inches .750		Choke Constant: C 12.365		5-1/2" Liner 3387' - 5647'	
Shut-In Pressure, Casing, PSIG 988	12" PSIA 1000	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 951	12" PSIA 963	
Flowing Pressure, P, PSIG 324	12" PSIA 336		Working Pressure, Pw, PSIG 790	12" PSIA 802	
Temperature, T, F 67	F _g .75		Fpv (From Tables) 1.034	Gravity .665	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = 12.365 \times 336 \times .9933 \times .9498 \times 1.034 = 4053 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1000000}{356796} \right)^n \quad 2.803^{.75} \times 4053 = 2.169 \times 4053$$

$$Aof = 8791 \text{ MCF/D}$$

TESTED BY **Frank M. Clark**

WITNESSED BY

Checked By: **R. R. Davis**

L. D. Galloway
L. D. Galloway
Sr. Gas-Production Engineer



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