

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **August 11, 1958**

Operator El Paso Natural Gas		Lease San Juan 28-5 Unit 30	
Location 990N, 1550E; 22-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pore Blanco	
Casing Diameter 5-1/2 liner	Set At: Feet 3711 - 5984	Tubing Diameter 2"	Set At: Feet 5906
Pay Zones From 5422	To 5900	Total Depth 5987 c/o 5952	Shut-in 8/1/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	Shut-In Pressure, Tubing 837	PSIG 849
Shut-In Pressure, Casing 1050	PSIG 1062	Working Pressure, P _w 786	PSIG 798
Flowing Pressure, P 326	PSIG 338	Flow From Tubing 1.032	Gravity .678
Temperature, T 76	.75		

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = 12.365 \times 338 \times .9850 \times .9427 \times 1.032 \quad 4005 \quad \text{MCF/D}$$

$$\text{OPT. FLOW } Q_{\text{opt}} = C \left(\frac{P_1}{P_1 - P_w} \right)^n$$

Unloaded solid stream water and oil in 3 min. For 2 min., diminished, normal blow remainder.

$$Q_{\text{opt}} = \left(\frac{1,127,844}{491,040} \right)^n \quad (2.2968)^{.75} (4005) = (1.865) (4005)$$

$$Q_{\text{opt}} = 7,469 \quad \text{MCF/D}$$

WITNESSED BY **S. V. Roberts**

WITNESSED BY

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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