

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 20, 1959**

Operator El Paso Natural Gas		Federal No. 6-1-J	
Location 990N, 1739E; 6-24-1		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Gavilan	
Casing Diameter 5-1/2	Set At: Feet 3613	Tubing Diameter 1-1/4	Set At: Feet 3578
Pay Zone From 3564	To 3592	Total Depth c/o 3600	Shut In: 10/3/59
Flowing Pressure Sand Water Frac.		Flowing Pressure X	

Choke Size, Inches .75	Wellbore Diameter 12.365	Shut-in Pressure, Tubing 929	PSIG 941	PSIA
Shut-in Pressure, Wellbore 928	PSIG 940	Flowing Pressure, Tubing 44	PSIG 56	PSIA
Flowing Pressure, Wellbore 57	PSIG .85	Flowing Pressure, P.V. 219	PSIG 231	PSIA
Temperature, Wellbore b	PSIG 1.004	Flowing Pressure, P.V. 1.004	PSIG .695	PSIA

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

$$Q = 12.365 \times 56 \times 1.0029 \times .9292 \times 1.004$$

648 MCF/D

OPEN FLOW Act $Q = \left(\frac{C \times P_1 \times P_2 \times P_3 \times P_4}{P_5} \right)^n$

Act $\left(\frac{885481}{832120} \right)^n$

$$1.0641^{.85} \times 532 = 1.0542 \times 648$$

Act **683** MCF/D



TESTED BY **Don Mortensen**

WITNESSED BY

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

Lewis D. Galloway
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