

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 2, 1959**

Operator El Paso Natural Gas Company		Lease Lindrith No. 33	
Location 16508, 1650W; 21-24-3		County Rio Arriba	State New Mexico
Fracture Pictured Cliffs		Pay South Blanco	
Casing Diameter 5-1/2	Set At Feet 3172	Tubing Diameter 1-1/4	Set At Feet 3108
Pay Zone Feet 3065	3112	Total Feet c/o 3130	Shut In: 9/20/59 Flow Through Tubing
Fracturing Method Sand Water Frac.		Flow Through Casing X	

Wellbore Diameter .75	PSIG 12.365	Shut-In Pressure (Tubing) 975	PSIG 987
Shut-In Pressure (Casing) 973	PSIG 985	Working Pressure (Tubing) 138	PSIG 150
Flowing Pressure (Casing) 113	PSIG 125	Flowing Pressure (Tubing) 1.011	Gravity .631
Temperature (Tubing) 57	PSIG .85		

CHOKED VOLUME $Q = C \times P_1 \times E_1 \times F_g \times F_v$

$$Q = 12.365 \times 125 \times 1.0029 \times .9759 \times 1.011$$

1529

MCF/D

$$\text{OPEN FLOW AREA } Q = \left(\frac{P_1}{P_2} \right)^n$$

$$\left(\frac{974169}{951669} \right)^n$$

$$1.0236^{.85} \times 1529 = 1.0200 \times 1529$$

1560

MCF/D

18

Frank Clark

Written By: _____

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