

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 25, 1958

Operator El Paso Natural Gas Company		Lease Rincon No. 116	
Location 890 N, 990W; 21-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5-1/2"	Set At Feet 3351	Tubing Diameter 1-1/4"	Set At Feet 3297
Flow From 3266	3286	Total Depth 3361 c/o To 3330	
Stimulation Method Sand water frac		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant: C 12.365	Shut-In Pressure, Tubing 1071	PSIG - 12 PSIA 1083
Flowing Pressure 1071	Days Shut-In 11	Working Pressure: Pw 163	PSIG - 12 PSIA 175
Flowing Pressure 155	Flow From Tables 1.016	Gravit .657	
Temperature T 52°			

CHOKED VOLUME $Q = C \times P_r \times F_v \times F_g \times F_a$

$Q = 12.365 \times 167 \times 1.0078 \times .9571 \times 1.016 = 2,024 \text{ MCF/D}$

OPEN FLOW $Q = \left(\frac{P_r}{P_c - P_a} \right)^n$

$Q = \left(\frac{1172889}{1142264} \right)^n$

$1.0268.85 \times 2024 = 1.0227 \times 2024$

$Q = 2,070 \text{ MCF/D}$

Prepared by Frank M. Clark

APPROVED BY



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