

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 2, 1957

Operator El Paso Natural Gas Company		Lease San Juan 27-4 No. 10	
Location 1840'N, 1500'E, Sec. 32-27-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 3743	Tubing: Diameter 2	Set At: Feet 3709
Pay Zone: From 3671	To 3738	Total Depth: 3756	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1045	- 12 = PSIA 1057	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 871	- 12 = PSIA 883	
Flowing Pressure: P PSIG 130	- 12 = PSIA 142		Working Pressure: P _w PSIG 284	- 12 = PSIA 296	
Temperature: T F 72	F _n .85		F _{pv} (From Tables) 1.016	Gravity .697	

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 142 \times .9887 \times .9292 \times 1.016$$

1639

MCF/D

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

$$A_{of} = \left(\frac{1,117,249}{1,029,633} \right)^n \cdot 1.0850^{.85} \times 1639 = 1.0719 \times 1639$$

A_{of} : 1757 MCF/DTESTED BY Richard Proctor and Jess Goodwin

WITNESSED BY _____



L. D. Galloway
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OIL CONSERVATION COMMISSION

ACTED DISTRICT OFFICE

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