

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 26, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 27-5 No. 77	
Location 930'S, 1650'E, Sec. 8-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Tapacito	
Casing: Diameter 2-7/8	Set At: Feet 3585	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3475	To 3500	Total Depth: 3591	Shut In 6-14-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 985	- 12 - PSIA 997	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG No Tubing	- 12 - PSIA ----	
Flowing Pressure: P, PSIG 223	- 12 - PSIA 235		Working Pressure: Pw (Calc.)	- 12 - PSIA 305	
Temperature: 66	n .9943		Fpv (From Tables) 1.023	Gravity .676	Fg .9427

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

$$Q = (12.365)(235)(.9943)(.9427)(1.023)$$

2786

MCF/D

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

$$A_{of} = \left(\frac{994,009}{900,984} \right)^n = (2786)(1.1032)^{.85} = (2786)(1.0871)$$

A_{of} **3029** MCF/DNOTE: Blew Dry Gas.TESTED BY **W. D. Dawson**

WATER USED, PWT

Lewis D. Galloway
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