

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 29, 1957

Operator San Juan Gas Corporation		Lease Federal No. 1-B	
Location SE 1-24-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated.	
Casing: Diameter 7	Set At: Feet 3395	Tubing: Diameter 2	Set At: Feet 3390
Pay Zone: From 3395	To 3425	Total Depth: 3425	
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 940	- 12 = PSIA 952	Days Shut-In 182	Shut-In Pressure, Tubing PSIG 940	- 12 = PSIA 952	
Flowing Pressure: P PSIG 100	- 12 = PSIA 112		Working Pressure: Pw PSIG 374	- 12 = PSIA 386	
Temperature: T °F 68	n .85		Fpv (From Tables) 1.012	Gravity 691	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 112 \times .9924 \times .9325 \times 1.012 \quad 1297 \quad \text{MCF/D}$$

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

$$A_{of} = \left(\frac{906,304}{757,308} \right)^n = 1.1967^{.85} \times 1.1650 \times 1297$$

$$A_{of} = 1511 \quad \text{MCF/D}$$

TESTED BY Richard Proctor and Frank ClarkWITNESSED BY Floyd Ray (San Juan Gas Corporation)

L. D. Galloway
L. D. Galloway

INVESTIGATION COMMISSION

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