

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 29, 1957

Operator San Juan Gas Corporation		Lease Federal No. 6-J	
Location NW 6-24-1		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 2-1/2	Set At: Feet 3476	Tubing Diameter 2	Set At: Feet 3475
Pay Zone: From 3458	To 3473	Total Depth 3476	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4	Choke Constant: C 12.365	Days Shut-in 182	Shut-In Pressure, Tubing 935	PSIG 947
Shut-In Pressure, Casing 935	PSIG 947	Working Pressure: P _w 286	PSIG 298	
Flowing Pressure: P 94	PSIG 106	F _{pv} (From Tables) 1.009	Gravity 695	
Temperature: T 56	F _{pn} .85			

CHOKE VOLUME $Q = C \times P_c \times F_p \times F_g \times F_{gv}$

$$Q = 12.365 \times 106 \times 1.0039 \times .9292 \times 1.009 = 1234 \text{ MCF/D}$$

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

$$Aof = \left(\frac{896,809}{808,005} \right)^n \times 1.1099^{.85} \times 1234 = 1.0925 \times 1234$$

$$Aof = 1348 \text{ MCF/D}$$

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

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

ALTERNATE OFFICE

No. Conts. 23

U. S. G. S. 1

Transporter

File 1 ✓