

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

Operator San Juan Gas Corporation		Lease Federal No. 22-C	
Location NW 22-25-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated.	
Casing: Diameter 5-1/2	Set At: Feet 3404	Tubing: Diameter 2	Set At: Feet 3380
Pay Zone: From 3404	To 3457	Total Depth 3457	
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 963	12 - PSIA 975	Days Shut-In 182	Shut-In Pressure, Tubing, PSIG 963
Flowing Pressure: P, PSIG 67	12 - PSIA 79		Working Pressure, P _w , PSIG 214
Temperature: T, °F 55			Flow (From Tables) 1,009
			Gravity 695

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

$$Q = 12.365 \times 79 \times 1.0048 \times .9292 \times 1.009 \quad \quad \quad 920 \quad \quad \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{950,625}{899,549} \right)^n \quad 1.0567^{.85} \times 920 = 1.0480 \times 920$$

$$Aof = 964 \quad \text{MCF/D}$$

TESTED BY Jess GoodwinWITNESSED BY Floyd Ray (San Juan Gas Corp)

L. D. Galloway
L. D. Galloway

WILDLIFE CONSERVATION ADMISSION

NAME	DATE	TIME
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2	1	✓
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