

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12-12-69

Operator El Paso Natural Gas Co.		Lease Klein No. 11 (PC)	
Location 1840S, 900E, S30-T26N-R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool S. Blanco	
Casing: Diameter 2.375	Set At: Feet 2766	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2670	To 2683	Total Depth: 2766	Shut In 11-23-69
Stimulation Method SMF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Slim hole 2-2 7/8" parallel strings.	
Shut-In Pressure, Casing, PSIG 614	+ 12 = PSIA 626	Days Shut-In 14	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 70	+ 12 = PSIA 82	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA		
Temperature: T = 57°F	n =	Fpv (From Tables) 1.009	Gravity		
Ft = 1.0029	.85		Fg =		

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

$$Q = (12.365)(82)(1.0029)(.9535)(1.009) = 978 \text{ MCF/D}$$

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

Note: Well blew light spray of water and dis-
tillate throughout test.

$$Aof = \left(\frac{391876}{381675} \right)^n = (1.0267)^{.85} (978) = (1.0227)(978)$$

$$Aof = 1000 \text{ MCF/D}$$

TESTED BY Dan Roberts

WITNESSED BY


