

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 25, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 27-5 No. 76	
Location 1190'N, 1190'E, Sec. 7-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3526	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3428	To 3455	Total Depth: 3536	Shut In 10-13-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG 1094	PSIG 12	PSIA 1106	Days Shut In 12	Shut-In Pressure, Tubing, PSIG No Tubing	PSIG 12
Flowing Pressure: P, PSIG 168	PSIG 12	PSIA 180		Working Pressure: Pw, PSIG Calc.	PSIG 12
Temperature: T 62 F		n .9981		Fpv (From Tables) 1.016	Gravity .650
		.85			Fg .9608

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

$$Q = (12.365)(180)(.9981)(.9608)(1.016)$$

2169 MCF/D

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

$$Aof = \left(\frac{1,223,236}{1,168,947} \right)^n (1.0464)^{.85} (2169) = (1.0393)(2169)$$

Aof 2254 MCF/D

NOTE: Blew light spray of water and distillate throughout test.

TESTED BY D. R. Roberts

WITNESSED BY

Checked by W. D. Dawson