

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 16, 1961

Operator El Paso Natural Gas Company	Lease San Juan 28-7 No. 123
Location 1720'N, 1665'W, Sec. 30-27N-7W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco PC
Casing Diameter 2-7/8" O.D. Set At: Feet 2377	Tubing: Diameter No Tubing Set At: Feet ----
Pay Zone: From 2272 To 2314	Total Depth 2377 C/O 2370 Shut In 7-24-61
Simulation 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 754	PSIG - 12 PSIA 766 Days Shut-In 23	Shut-In Pressure, Tubing, PSIG No Tubing PSIG - 12 PSIA ----
Flowing Pressure, P, PSIG 303	PSIG - 12 PSIA 315	Working Pressure: P _w , PSIG (Calc.) 381
Temperature, T, °F 69	F ₁ .9915 F ₂ .85	F _{pv} (From Tables) 1.026 Gravity .624 F _g .9837

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = (12.365)(315)(.9915)(.9837)(1.026)$$

3898

MCF/D

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

$$Aof \left(\frac{586,756}{441,595} \right)^n$$

$$(1.3287)^{.85}(3898) = (1.2735)(3898)$$

Aof **4964**

MCF/D

PREPARED BY **R. F. Headrick**

WITNESSED BY

Calculated by: **W. D. Dawson**

H. L. Kendrick
H. L. Kendrick

