

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 6, 1961**

Operator El Paso Natural Gas Company	Lease Storey "C" No. 12
Location 800'N, 1500'W, Sec. 34-28N-9W	County San Juan State New Mexico
Formation Pictured Cliffs	Pool So. Blanco
Casing Diameter 2-7/8" O.D. Set At Feet 2477	Tubing Diameter No Tubing Set At Feet ----
Pay Zone From 2350 To 2394	Total Depth 2477 c/o 2471 Shut In 9-1-61
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, Tubing PSIG 12 PSIA No Tubing ----- Working Pressure, Fw PSIG 12 PSIA (Calc) 373 Fpw From Tables Gravity 1.029 .650 Fg .9608
Shut-In Pressure, Casing PSIG 12 PSIA 741	Days Shut-In 35	
Flowing Pressure, P PSIG 12 PSIA 295	307	
Temperature, T 67 F	.9933 .85	

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

$$Q = (12.365)(307)(.9933)(.9608)(1.029)$$

3728

MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$

$$A_{of} = \left(\frac{567,009}{427,880} \right)^n$$

$$(1.3251)^{.85}(3728) = (1.2701)(3728)$$

Act 4735

MCF/D

Prepared by **D. E. Mortensen**

Witnessed by

Checked by: **W. D. Dawson**

Lewis D. Galloway
L. D. Galloway

