

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 1, 1962

Operator El Paso Natural Gas Company		Lease Riddle No. 4-B	
Location 810'N, 1180'E, Sec. 23-30-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 3158	Tubing: Diameter No Tubing	Set At: Feet ----
Pay Zone: From 3028	To 3066	Total Depth: 3163	Shut In 9-10-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, Inches .75		Choke Constant: C 12.365		"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 1003	12 PSIA	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG 1015	12 PSIA	No Tubing
Flowing Pressure: P, PSIG 253	12 PSIA		Working Pressure: Pw, PSIG Calc. 335	12 PSIA	
Temperature: 65 F			Fpv (From Tables) 1.025		Gravity .650 Fg = .9608
	.9952	.85			

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

$$Q = (12.365)(265)(.9952)(.9608)(1.025) = 3211 \text{ MCF/D}$$

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

$$Aof \left(\frac{1,030,225}{918,000} \right)^n = (1.1222)^{.85} (3211) = (1.1030)(3211)$$

NOTE: Blew clear gas.

Aof **3542** MCF/D

TESTED BY **T. B. Grant**

WITNESSED BY

Checked by **W. D. Dawson**

Lewis D. Galloway
Lewis D. Galloway

