FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 27, 1965

Operator: El Paso Natural Gas Company		Lease: Sellers No. 4-A (OWWO)	
Location: 1750'S, 1090'W, Section 30, T-30-N, R-10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7121	Tubing: Diameter: 2.375	Set At: Feet: 6797
Pay Zone: From: 6840	To: 7060	Total Depth: 7121	Shut In: 4-18-65
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365		Baker Model "P" Packer at 6807 ft.	
Shut-in Pressure, Casing, PSIG: (Packer) 681	+ 12 = PSIA: 693	Days Shut-in: 9		Shut-in Pressure, Tubing PSIG: 1085	+ 12 = PSIA: 1097
Flowing Pressure: P PSIG: 52	+ 12 = PSIA: 64			Working Pressure: Pw PSIG: (Calc)	+ 12 = PSIA: 136
Temperature: T= 60 °F	Ft= 1.0000	n = .75		Fpv (From Tables): 1.007	Gravity: .615 Fg = .9877

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (12.365)\ (64)\ (1.0000)\ (.9877)\ (1.007) =$ 787 MCF/D

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

$Aof = \left(\frac{1203409}{1184913} \right)^n = (787)\ (1.0156)^{.75} = (787)\ (1.0117)$

Aof = 796 MCF/D

NOTE: Made a very light mist of water during entire test.

TESTED BY J. B. Goodwin

CALCULATED ~~WITNESSED~~ BY W. D. Dawson

Lewis D. Galloway

Lewis D. Galloway