

**EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA**

DATE July 18, 1973

Operator EL PASO NATURAL GAS COMPANY		Lease HORTON NO. 5	
Location 820/S, 1850/E Sec 29, T-32N, R-11-W		County SAN JUAN	State NEW MEXICO
Formation PICTURED CLIFFS <i>EXT.</i>		Pool BLANCO	
Casing: Diameter 2 7/8	Set At: Feet 3280	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 3166	To 3184	Total Depth: 3290	Shut In 7-10-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		TUBING LESS COMPLETION	
Shut-In Pressure, Casing, PSIG 775	+ 12 = PSIA 787	Days Shut-In 7	Shut-In Pressure, Tubing PSIG NO TUBING	+ 12 = PSIA
Flowing Pressure: P PSIG 148	+ 12 = PSIA 160		Working Pressure: Pw PSIG CALCULATED	+ 12 = PSIA 204
Temperature: T = 63 °F	Ft = .9971	n = .85	Fpv (From Tables) 1.015	Gravity .675 Fg = .9427

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

$$Q = (12.365)(160)(.9971)(.9427)(1.015) = \underline{1888} \text{ MCF/D}$$

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

NOTE: THE WELL PRODUCED DRY GAS.

$$Aof = Q \left(\frac{619369}{577753} \right)^{.85} = 1888 (1.0720) = 1888 (1.0609)$$

$$Aof = \underline{2003} \text{ MCF/D}$$


TESTED BY W. D. Welch

WITNESSED BY _____

William D. Welch

WILLIAM D. WELCH
Well Test Engineer