

# EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE 4/24/73

Operator El Paso Natural Gas Company		Lease Atlantic D Com K #12	
Location 1156'/S, 1800'/E, Sec. 36, T31N, R10W		County San Juan	State NM
Formation Pictured Cliffs		Pool Blanco Ext.	
Casing: Diameter 2.875	Set At: Feet 3395	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3294	To 3330	Total Depth: 3395	Shut In 4/16/73
Stimulation Method SWF		Flow Through Casing. X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 682	PSIG	+ 12 = PSIA 694	Days Shut-In 8	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA
Flowing Pressure: P 100	PSIG	+ 12 = PSIA 112		Working Pressure: Pw Calculated	+ 12 = PSIA 144
Temperature: T = 57 °F	Ft = 1.003	n = .85		Fpv (From Tables) 1.010	Gravity .635 Fg = .9721

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

$$Q = (12.365) (112) (1.003) (.9721) (1.010) = \underline{1364} \text{ MCF/D}$$

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

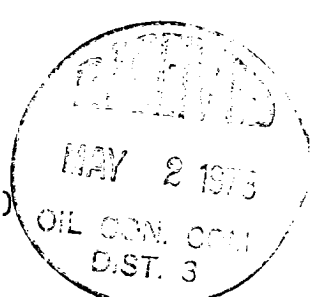
$$Aof = Q \left( \frac{481636}{460900} \right)^n = 1364 (1.0450)^{.85} = 1364 (1.0381)$$

$$Aof = \underline{1416} \text{ MCF/D}$$

NOTE: The well produced dry gas.

TESTED BY W. Welch

WITNESSED BY \_\_\_\_\_



William D. Welch

Well Test Engineer