

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 22, 1973

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit 173	
Location 800'N, 1750'W, Section 35, T28N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2-7/8	Set At: Feet 3538	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3430	To 3470	Total Depth: 3538	Shut In 6/15/73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 1024	PSIG	+ 12 = PSIA 1036	Days Shut-In 7	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 133	PSIG	+ 12 = PSIA 145		Working Pressure: P <sub>w</sub> Calculated	PSIG + 12 = PSIA 187
Temperature: T = 60 °F	F <sub>t</sub> = 1.000	n = .85		F <sub>pv</sub> (From Tables) 1.013	Gravity .645 F <sub>g</sub> = .9645

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

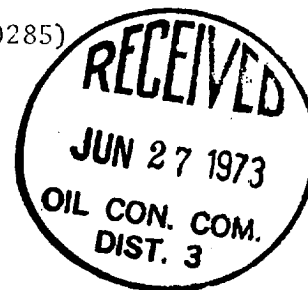
$$Q = (12.365) (145) (1.000) (.9645) (1.013) = 1752 \text{ MCF/D}$$

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

NOTE: The well produced a very light mist of water throughout the test.

$$Aof = Q \left( \frac{1073296}{1038327} \right)^n = 1752 (1.0337)^{.85} = 1752 (1.0285)$$

$$Aof = 1802 \text{ MCF/D}$$



TESTED BY B. J. Broughton

WITNESSED BY

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