

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 14, 1972

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 162	
Location 800 S, 1650 W Sec. 26 T 28N, R 6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3559	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3384	To 3428	Total Depth: 3559	Shut In 6-2-72
Stimulation Method S.W.F.		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 1077	PSIG	+ 12 = PSIA 1089	Days Shut-In 12	Shut-In Pressure, Tubing No Tubing	PSIG
Flowing Pressure: P 187	PSIG	+ 12 = PSIA 199		Working Pressure: P _w Calculated	PSIG
Temperature: T = 70 °F		n = .85		F _{pv} (From Tables) 1.017	Gravity .645
	F _t = .9905				F _g = .9645

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

$$Q = (12.365)(199)(.9905)(.9645)(1.017) = \underline{2391} \text{ MCF/D}$$

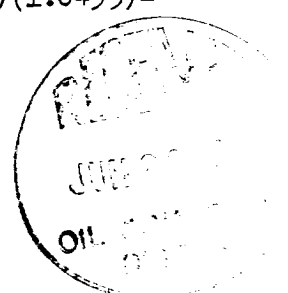
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{NOTE: The well blew clear gas.}$$

$$Aof = \left(\frac{1185921}{1120385} \right)^n = (2391)(1.0585)^{.85} = (2391)(1.0495) =$$

$$Aof = \underline{2509} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____



John A. Jones
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