

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 14, 1972

Operator El Paso Natural Gas Company		Lease San Juan 28-6 U. No. 163	
Location 850 N, 1180 E, Sec. 27 T 28N, R 6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs <i>Egt</i>		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3488	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3390	To 3424	Total Depth: 3488	Shut In 6-6-72
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, PSIG 1030	+ 12 = PSIA 1042	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 133	+ 12 = PSIA 145	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 187		
Temperature: T = 61 °F Ft = .9990	n = .85	Fpv (From Tables) 1.013	Gravity .645	Fg = .9645	

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

$$Q = (12.365)(145)(.9990)(.9645)(1.013) = \underline{\quad 1750 \quad} \text{ MCF/D}$$

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

NOTE: Blew Clear Gas

$$Aof = \left(\frac{1085764}{1050795} \right)^n = (1750)(1.0333)^{.85} = (1750)(1.0282) =$$

$$Aof = \underline{\quad 1799 \quad} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

John A. Jones
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