

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 17, 1976

Operator El Paso Natural Gas Company		Lease Jicarilla 123C #17	
Location 1125'/S, 1655'/E, Sec. 6, T25N, R4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3386'	Tubing: Diameter none	Set At: Feet --
Pay Zone: From 3250	To 3319	Total Depth: 3386'	Shut In 1-27-76
Stimulation Method Sandwater Fracture		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 982	+ 12 = PSIA 994	Days Shut-In 49	Shut-In Pressure, Tubing PSIG --	+ 12 = PSIA --	
Flowing Pressure: P PSIG 21	+ 12 = PSIA 33		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 42	
Temperature: T = 51 °F	n = F _t = 1.009		F _p (From Tables) 1.004	Gravity .670	F _g = .9463

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

$$Q = (12.365) (33) (1.009) (.9463) (1.004) = \underline{391} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{988036}{986259} \right)^n = (391) (1.0018)^{.85} = (391) (1.0015)$$

$$Aof = \underline{392} \text{ MCF/D}$$

Note: Well blew light spray of water during last hour of test.

TESTED BY Roger Hardy

WITNESSED BY _____

JW Andes
Well Test Engineer