

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 3, 1974

Operator El Paso Natural Gas Company		Lease Hardie B #2	
Location 800/N, 1460/W, Sec. 28, T29N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3154-	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2976'	To 3016'	Total Depth: PBD 3154' 3144'	Shut In 8-20-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 984	+ 12 = PSIA 996	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 206	+ 12 = PSIA 218		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 275	
Temperature: T = 64 °F	n = .85		F _{pv} (From Tables) 1.019	Gravity .635	F _g = 0.9721

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_f \times F_g \times F_{pv}$$

$$Q = 12.365(218)(0.9962)(0.9721)(1.019) = \underline{\quad 2660 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{992016}{916391} \right)^n = 2660(1.0825)^{.85} = 2660(1.0697)$$

$$Aof = \underline{\quad 2845 \quad} \text{ MCF/D}$$

Note: The well produced a dry flow.

TESTED BY C. Rhames

WITNESSED BY _____

Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer

