

Operator El Paso Natural Gas Company		Lease Hardie #1-A	
Location Unit J Sec. 26, T29N, R8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5606'	Tubing: Diameter 2.375	Set At: Feet 5535'
Pay Zone: From 4581	To 5551	Total Depth: PB 5589	Shut In 9-26-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 770	+ 12 = PSIA 782	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 672	+ 12 = PSIA 684	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravity Fg =	

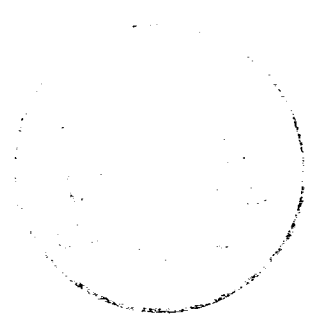
CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = _____ MCF/D

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

Aof = $\left(\frac{\quad}{\quad} \right)^n =$

Aof = _____ MCF/D



TESTED BY _____

WITNESSED BY _____

C. P. Wagner
Well Test Engineer