

Operator El Paso Natural Gas Company		Lease Hardie E #2-A	
Location SE 9-28N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5441'	Tubing: Diameter 2 3/8"	Set At: Feet 5396'
Pay Zone: From 4376	To 5400'	Total Depth: PBTD 5441' 5424	Shut In 10-24-76
Stimulation Method Sandwater Frac		Flow Through Casing Flow Through Tubing	

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 723	+ 12 = PSIA 735	Days Shut-In	Shut-In Pressure, Tubing PSIG 368	+ 12 = PSIA 380	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F _{pv} (From Tables)	Gravity F _g =	

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

Q =

MCF/D

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

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

Aof = _____ MCF/D

TESTED BY Goodwin

WITNESSED BY _____

C. R. Wagner
Well Test Engineer