

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 20, 1976

Operator El Paso Natural Gas Company		Lease Howell L #2-A	
Location SE 25-30N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5572'	Tubing: Diameter 2 3/8"	Set At: Feet 5465'
Pay Zone: From 4748	To 5482	Total Depth: PBDT 5555 5572	Shut In 7-12-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 656	+ 12 = PSIA 668	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 494	+ 12 = PSIA 506	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA	
Temperature: T= °F Ft=	n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =	

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = \_\_\_\_\_ MCF/D

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

Aof =  $\left( \frac{\quad}{\quad} \right)^n$  = After frac gauge= 4533 MCF/D. Used for sizing equipment only.

Aof = \_\_\_\_\_ MCF/D

TESTED BY Hardy

WITNESSED BY \_\_\_\_\_



C.R. Wagner  
Well Test Engineer