

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE April 21, 1976

Operator El Paso Natural Gas Company		Lease Howell L #4-A	
Location SE 34-30-08		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 4.500	Set At: Feet 5593'	Tubing: Diameter 2.375	Set At: Feet 5543'
Pay Zone: From 4650'	To 5567'	Total Depth: 5593'	Shut In 4-13-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 602	+ 12 = PSIA 614	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 391	+ 12 = PSIA 403	
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> =	

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

Q =

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

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

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

After frac gauge. (To be used for sizing equipment only) = 2857

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

TESTED BY \_\_\_\_\_

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

*C. R. Wagner*  
Well Test Engineer

