

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE December 26, 1978

Operator El Paso Natural Gas Company		Lease Vanderwart A #4-A	
Location SE 13-29-08		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6169'	Tubing: Diameter 2 3/8	Set At: Feet 6037'
Pay Zone: From 5061	To 6093	Total Depth: 6169'	Shut In 12-18-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 703	+ 12 = PSIA 715	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 334	+ 12 = PSIA 346	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub> PSIG	+ 12 = PSIA	
Temperature: T = °F F <sub>t</sub> =	n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =	

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

Q =

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

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

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

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

TESTED BY N. Waggoner

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



*C.R. Waggoner*  
Well Test Engineer