

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE March 25, 1976

Operator El Paso Natural Gas Company		Lease Riddle #3-A	
Location SE 10-30-09		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 4.500	Set At: Feet 5531'	Tubing: Diameter 2 3/8"	Set At: Feet 5437'
Pay Zone: From 4537'	To 5451'	Total Depth: 5531	Shut In 3-17-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 593	PSIG	+ 12 = PSIA 605	Days Shut-In 8	Shut-In Pressure, Tubing 300	PSIG
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: P <sub>w</sub>	PSIG
Temperature: T = °F		n =		F <sub>pv</sub> (From Tables)	Gravity F <sub>g</sub> =

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

$$Q = \text{After frac gauge} = \underline{1841} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{To be used only for sizing equipment}$$

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

$$Aof = \underline{\quad} \text{ MCF/D}$$

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

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

*C. R. Wagner*  
Well Test Engineer

