

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 18, 1976

Operator El Paso Natural Gas Company		Lease Roelofs A #4-A	
Location NW 22-29N-8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 4 1/2	Set At: Feet 5904'	Tubing: Diameter 2 3/8"	Set At: Feet 5872'
Pay Zone: From 4926'	To 5875'	Total Depth: 5904 PBD 5887	Shut In 6-11-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 680	PSIG	+ 12 = PSIA 692	Days Shut-In 7	Shut-In Pressure, Tubing 585	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> =

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

$$Q = \text{_____ MCF/D}$$

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

$$Aof = \left( \text{_____} \right)^n = \text{After frac gauge} = 2047 \text{ MCF/D. Used for sizing equipment only.}$$

$$Aof = \text{_____ MCF/D}$$

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

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

*C. R. Wagner*  
Well Test Engineer

