

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 15, 1976

Operator El Paso Natural Gas Company		Lease Grambling C #2-A	
Location NW 14-30N-10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 4.500	Set At: Feet 5723'	Tubing: Diameter 3.75	Set At: Feet 5664'
Pay Zone: From 4709'	To 5662'	Total Depth: 5723	Shut In 3-8-87
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, 830	PSIG + 12 = PSIA 842	Days Shut-In 7	Shut-In Pressure, Tubing 465	PSIG + 12 = PSIA 477	
Flowing Pressure: P	PSIG + 12 = PSIA		Working Pressure: P _w	PSIG + 12 = PSIA	
Temperature: T = °F	n =		F _{pv} (From Tables)	Gravity F _g =	

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

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

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{after frac gauge} = 2857 \text{ MCF/D (To be used only for sizing equipment)}$$

$$Aof = \left(\text{_____} \right)^n =$$

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

TESTED BY J. B. Goodwin

WITNESSED BY _____

C. R. Wagner
Well Test Engineer