

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 18, 1978

Operator El Paso Natural Gas Company		Lease Barnes #15	
Location SW 26-32-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco Ext.	
Casing: Diameter 2 7/8	Set At: Feet 3228'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 3108	To 3176'	Total Depth: 3228'	Shut In 10-11-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 664	+ 12 = PSIA 676	Days Shut-In 7	Shut-In Pressure, Tubing T/C PSIG	+ 12 = PSIA --	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F F _t =	n =		F _{pv} (From Tables)	Gravity F _g =	

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

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

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

$$Aof = \left(\text{_____} \right)^n = \text{After frac gauge} = 2265 \text{ MCF/D. Used for sizing equipment only.}$$

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

TESTED BY D. Wright

WITNESSED BY _____



C.R. Kaper
Well Test Engineer