

OPEN FLOW TEST DATA

DATE January 10, 1977

Operator El Paso Natural Gas Company		Lease Grambling C. #11-A	
Location NE 14-30N-10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2 7/8"	Set At: Feet 3155'	Tubing: Diameter T/C	Set At: Feet --
Pay Zone: From 3070	To 3114'	Total Depth: DBTD 3155'	Shut In 11-23-76
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 754	+ 12 = PSIA 766	Days Shut-In 48	Shut-In Pressure, Tubing --	PSIG --	12 = PSIA --
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG		12 = PSIA
Temperature: T = °F Ft =	n =		Fpv (From Tables)		Gravity Fg =

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

Q =

= _____ MCF/D

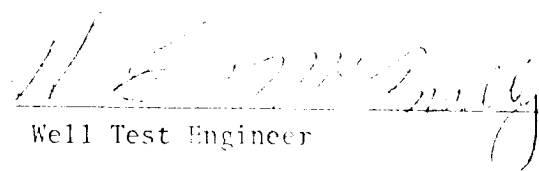
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

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

Aof = _____ MCF/D

TESTED BY Ron Headrick

WITNESSED BY _____


 Well Test Engineer