

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE November 30, 1977

Operator El Paso Natural Gas Company		Lease Quigley #1A	
Location NW 6-30-09		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4 1/2	Set At: Feet 5918'	Tubing: Diameter 2 3/8	Set At: Feet 5844'
Pay Zone: From 4817	To 5852'	Total Depth: 5918'	Shut In: 11-23-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 714	+ 12 = PSIA 726	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 714	+ 12 = PSIA 726	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: Pw PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravit	

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_t \times F_g \times F_{pv}$$

Q =

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

$$Aof \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

Aof = MCF/D

TESTED BY Joe Golding

WITNESSED BY

C.R. Wagner
Well Test Engineer