

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

- CORRECTED COPY -

DATE Nov. 27, 1979

Operator El Paso Natural Gas Company		Lease Case #3 (OWWO)	
Location SW 17-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5482	Tubing: Diameter 2 3/8	Set At: Feet 5341
Pay Zone: From 5013	To 5354	Total Depth: 5482	Shut In 11-20-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 752	+ 12 = PSIA 764	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 436	+ 12 = PSIA 448	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	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 =

= _____ MCF/D

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

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

Aof = _____ MCF/D

TESTED BY C. Rhames

WITNESSED BY _____

C. R. Rhames
Well Test Engineer



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE Nov. 27, 1979

Operator El Paso Natural Gas Company		Lease Case #3A (OWWO)	
Location NW 17-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5482	Tubing: Diameter 2 3/8	Set At: Feet 5341
Pay Zone: From 5013	To 5354	Total Depth: 5482	Shut In 11-20-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 752	+ 12 = PSIA 764	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 436	+ 12 = PSIA 448	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F _{pv} (From Tables)	Gravity F _g =	

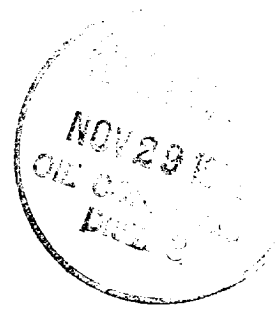
CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = _____ MCF/D

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

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

Aof = _____ MCF/D



TESTED BY C. Rhames

WITNESSED BY _____

C.R. Wagner
Well Test Engineer