

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

RE-TEST

DATE November 6, 1975

Operator El Paso Natural Gas Company		Lease Lloyd A #3 (CH)	
Location 1530/N, 1100/E, Sec. 9, T29N, R11W		County San Juan	State New Mexico
Formation Chacra		Pool Undes	
Casing: Diameter 2.875	Set At: Feet 3189'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3057'	To 3140'	Total Depth: PBDT 3189' 3179'	Shut In 8-4-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12,365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 1005	+ 12 = PSIA 1017	Days Shut-In 94	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 43	+ 12 = PSIA 55		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 70	
Temperature: T = 55 °F	n = .75		F _{pv} (From Tables) 1.004	Gravity .650	F _g = .9608
F _t = 1.005					

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

$$Q = 12.365(55)(1.005)(.9608)(1.004) = \underline{\hspace{2cm}} 659 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1034289}{1029389} \right)^n = 659(1.0048)^{.75} = 659(1.0036)$$

$$Aof = \underline{\hspace{2cm}} 661 \text{ MCF/D}$$

Note: Well blew dry gas throughout test.
During the test 96.68 MCF of gas
was vented to atmosphere.

TESTED BY R. Hardy

WITNESSED BY _____

Sary W. Bink
Well Test Engineer

