

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8-26-74

Operator El Paso Natural Gas Company		Lease Lawson #2	
Location 1050/N, 1750/E, Sec. 25, T30N, R9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2559'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2432	To 2470	Total Depth: PBT 2559' 2548'	Shut In 8-15-74
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 996	+ 12 = PSIA 1008	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 60	+ 12 = PSIA 72		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 90	
Temperature: T = 60 °F	n = Ft = 1.0000 .85		Fpv (From Tables) 1.0990	Gravity .660	Fg = 0.9535

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

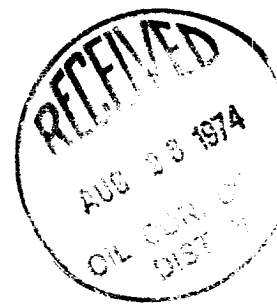
$$Q = 12.365(72)(1.0000)(0.9535)(1.0990) = \underline{\quad 933 \quad} \text{MCF/D}$$

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

$$Aof = Q \left(\frac{1016064}{1007964} \right)^n = 933(1.0080)^{.85} = 933(1.0068)$$

$$Aof = \underline{\quad 939 \quad} \text{MCF/D}$$

Note: The well flowed dry gas.



TESTED BY C. Rhames

WITNESSED BY

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Well Test Engineer