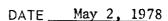
EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA



Operator El Paso Natural Gas Company Location SE 7-31-10 Formation Pictured Cliffs		Lease Hutchins #1-A		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4 1/2	Set At: Feet 50581	Tubing: Diameter 1 1/4	Set At: Feet 2549 t	
Pay Zone: From 2524	To 4640'	Total Depth: 5058	Shut In 4-17-78	
Stimulation Method Sandwater Frac		Flow Through Casing XXX	Flow Through Tubing	

Choke Size, Inches . 750		Choke Constant: C 12.365					
Shut-In Pressure, Casing,	PSIG 754	+ 12 = PSIA 766	Days Shut-In 8	Shut-In Pressure, Tubing	PSIG 754	+ 12 = PSIA 766	
Flowing Pressure: P	PSIG 87	+ 12 = PSIA 99		Working Pressure: Pw	PSIG 90	+ 12 = PSIA 102	
Temperature: T= 55 °F	Ft= 1.005	n = .85		Fpv (From Tables) 1.009		Gravity •670	Fg = .9463

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

Q = 12.365(99)(1.005)(.9463)(1.009)

1175 MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = Q
$$\left(\begin{array}{c} 586756 \\ 576352 \end{array}\right)^n$$
 = (1.0181) $\cdot 85 = (1175) = (1.0153)(1175)(1175) = (1.0153)(1175) = (1.0153)(1175) = (1.0153)(1175) = (1.0153)(1175) =$

Aof = 1193 MCF/D

Note: Well blew dry gas throughout test. Well vented 134 MCF to the atmosphere during test.

TESTED BY J. Thurstonson- C. R. Wagner

WITNESSED BY_____

Well Test Engineer