EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

Operator El Paso Natural Gas Company		San Juan 28-7 Unit No. 145		
Location		County	State	
900'S, 1600'W, Sec. 10, T-27-N, R-7-W		Rio Arriba	New Mexico	
Formation		Pool		
Dakota		Basin		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	7 680	2.375	7406	
Pay Zone: From	То	Total Depth:	Shut In	
7446	7 624	7680	10-31-67	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sand Water Frac			X	

Choke Size, Inches		Choke Constant: C					•
.7 50		12.365					
Shut-In Pressure, Casing, 2245	PSIG	+ 12 = PSIA 2257	Days Shut-In 8	Shut-In Pressure, Tubing 2493	PSIG	+ 12 = PSIA 2505	
Flowing Pressure: P	PSIG 281	+ 12 = PSIA 293		Working Pressure: Pw 1020	P\$IG	+ 12 = PSIA 1032	
Temperature: T= 85 •F	F+= .9768	n = •75		Fpv (From Tables)		Gravity .670 Fg =	.9463

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

Q = (12.365)(293)(.9768)(.9463)(1.026)

= 3436 MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & 2 & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = $\left(\begin{array}{c} 6275025 \\ \hline 5210001 \end{array}\right)^{\mathbf{n}} = (3436)(1.2044)^{.75} = (3436)(1.1497)$

NOTE: The well unloaded a heavy fog during the first four minutes of the test period then unloaded a heavy spray of distillate, water, drilling mud and frac sand for 15 min. The well blew a medium fog of distillate and water for remainder of test.

Aof = 3950 MCF/D

TESTED BY Norton

CHECKED
WITNESSED BY T. B. Grant

CALCULATED BY A. J. Loleit

H. L. Kendrick