EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION DATE **June 10, 1958**

Operator: **El Paso Natural Gas Company**		Lease: **Russell 3 (P)**	
Location: **890S, 1140W, 23-28-8**		County: **San Juan**	State: **New Mexico**
Formation: **Pictured Cliffs**		Pool: **Undesignated**	
Casing: Diameter **7-5/8**	Set At: Feet **2522**	Tubing: Diameter **1-1/4**	Set At: Feet **2417**
Pay Zone: From **2338**	To **2432**	Total Depth: **4797 c/o 4756**	Shut-in **4/27/58**
Stimulation Method: **Sand Water Frac**		Flow Through: Casing **X**	Flow Through: Tubing

Choke Size, Inches: **.750**	Choke Constant: **12.365**	**5-1/2" liner 2442 - 4797**	
Shut-in Pressure, Casing: **(PC) 1059** PSIG + 12 = PSIA **1071** Days Shut-in **44**		Shut-in Pressure, Tubing: **(PC) 1060** PSIG + 12 = PSIA **1072**	
Flowing Pressure: P: **243** PSIG + 12 = PSIA **255**		Working Pressure: P_w: **251** PSIG + 12 = PSIA **263**	
Temperature: T: **68** F: **.850**		Fpv (From Tables): **1.023** Gravity: **.646**	

Initial SIPT (MV) = 1057 PSIG **Packer at 2473**
Final SIPT (MV) = 1060 PSIG **2" at 4705**

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

C = 12.365 (255)(.9924)(.9645)(1.023) = 3087 MCF'D

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

Aof = $\left(\frac{1,149,184}{1,080,015} \right)^n$ $(1.0640)^{.85}(3087) = (1.0542)(3087)$

Aof = 3,254 MCF D

RECEIVED
JUN 17 1958
OIL CON. COM.
DIST. 3

TESTED BY: R. R. Davis

WITNESSED BY: A. R. Kendrick

Lewis D. Galloway

L. D. Galloway

MISSION