

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 8, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 28-6 Unit No. 97 (P)	
Location 810N, 1700E; 35-28N-6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3587	Tubing: Diameter 1-1/4	Set At: Feet 3413
Pay Zone: From 3382	To 3418	Total Depth: 5770 c/o 5723	Shut In 7/11/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner 3524-5766	
Shut-In Pressure, Casing, 1104	PSIG	12	PSIA	Shut-In Pressure, Tubing 1104	PSIG
		1116			1116
Flowing Pressure: P 391	PSIG	12	PSIA	Working Pressure: P _w 408	PSIG
		403			420
Temperature: T: 67 F				F _{pv} (From Tables) 1.039	Gravity Est. .650 F_g = .9608
	F _g .9933		.85		

Initial SIPT (MV) = 1051 psig

Final SIPT (MV) = 1057 psig

Guiberson "Shorty" Packer at 3604

CHOKE VOLUME = Q C x P_i x F_g x F_{pv}

$$Q = 12.365 \times 403 \times .9608 \times .9933 \times 1.039$$

4,941

MCF/D

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

$$A_{of} = \left(\frac{1245456}{1069056} \right)^n = 1.1650^{.85} \times 4941 = 1.1387 \times 4941$$

A_{of} 5626 MCF/DTESTED BY Don Mortensen

WITNESSED BY _____

Checked By T. B. Grant

Lewis D. Galloway
L. D. Galloway