

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 1, 1958

Operator El Paso Natural Gas		Lease Schwerdtfeger No. 11-A (P)	
Location 1710N, 1601E; 6-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool	
Casing: Diameter 7-5/8"	Set At: Feet 4787	Tubing: Diameter 1-1/4"	Set At: Feet 2698
Pay Zone: From 2670	To 2712	Total Depth: 5140	Shut-in 2-14-58 Flow Through Tubing
Stimulation Method Sand Water Frac		Flow Through Casing X	

Choke Size, Inches .750	Choke Constant: C 12.365	5-1/2" Liner 4724' - 5141'	
Shut-In Pressure, Casing, PSIG 818 (PC)	PSIA 830	Days Shut-in 45	Shut-In Pressure, Tubing, PSIG 819 (PC)
Flowing Pressure: P 351	PSIG 363	Working Pressure: Pw 364	PSIG 376
Temperature: T 66	F .850	Fpv (From Tables) 1.033	Gravity .634

Initial SIPT (MV) = 1023 Psig,

Packer at 4740'

Final SIPT (MV) = 1026 Psig

CHOKE VOLUME = $Q \cdot C \cdot P_r \cdot x \cdot F_r \cdot x \cdot F_{pv}$

$$Q = 12.365 (363) (.9943) (.9759) (1.033) = 4499 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{690561}{549185} \right)^n (1.2574)^{.85} (4499) = (1.2148) (4499) =$$

$$A_{of} = 5465 \text{ MCF/D}$$

TESTED BY R. R. Davis and Malcolm Rischard

WITNESSED BY _____



Lewis D. Galloway
L. D. Galloway