

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 5, 1958

Operator El Paso Natural Gas		Lease Day 2-B (P)	
Location 8908, 1090W; 7-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3041	Tubing: Diameter 1-1/4"	Set At: Feet 2884
Pay Zone: From 2846	To 2896	Total Depth: 5344 c/o 5317	Shut-in 7/22/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		2" at 5280	
Shut-In Pressure, Casing, PSIG 832	+ 12 = PSIA 844	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 831	+ 12 = PSIA 843	
Flowing Pressure: P PSIG 565	+ 12 = PSIA 577		Working Pressure: P _w PSIG 620	+ 12 = PSIA 632	
Temperature: T °F 74	n = .85		F _{pv} (From Tables) 1.057	Gravity .655	

Initial SIPT (MV) 993 psig

Final SIPT (MV) 999 psig

Packer at 3041

CHOKE VOLUME = Q = C × P_i × F_i × F_g × F_{pv}

$$Q = 12.365 \times 577 \times .9868 \times .9571 \times 1.057 = 7122 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{712336}{312912} \right)^n \quad (2.2764)^{.85} \times 9122 = 2.0110 \times 7122$$

$$A_{of} = 14,322 \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinWITNESSED BY Fred CookChecked By M. W. Rischard

Lewis D. Galloway
L. D. Galloway