

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 12, 1957

Operator El Paso Natural Gas		Lease Storey No. 4	
Location 990'N, 1650'E, Sec. 34-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 2793	Tubing: Diameter 1-1/4	Set At: Feet 2661
Pay Zone: From 2646	To 2678	Total Depth: 5065 - c/o 5020	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 14.1605		5-1/2" liner. 2743 - 5060	
Shut-In Pressure, Casing, PSIG 884	+ 12 = PSIA 896	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 884	+ 12 = PSIA 896	
Flowing Pressure P PSIG 145	+ 12 = PSIA 157		Working Pressure: P _w PSIG 149	+ 12 = PSIA 161	
Temperature: T °F 68	n = .85		F _{pv} (From Tables) 1.014	Gravity .655	

Start SIPT (MV) - 980 psig - Final - 983 psig. Packer at 2848. Sleeve at 2684

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

$$Q = 14.1605 \times 157 \times .9924 \times .9571 \times 1.014 = 2141 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{802,816}{776,895} \right)^n = 1.0333^{.75} \times 2141 = 1.0282 \times 2141$$

A_{of} 2201 MCF/D

TESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. J. Coel, Jr. (6)



L. D. Galloway
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