

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 12, 1959

Operator El Paso Natural Gas Company		Lease Johnston State No. 8 (P)	
Location 1180N, 1650E; 36-27-6		County Rio Arriba	State New Mexico
Format Pictured Cliffs		Pool South Blanco	
Casing Diameter 7-5/8	Set At: Feet 3420	Tubing Diameter 1-1/4	Set At: Feet 3263
Pay Zone: From 3240	To 3284	Total Depth: 5660 c/o 5618	Re-SI 11/5/59
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 3328-5663
Shut-in Pressure, Gas 959 (PG) PSIG	971 PSIA	Days Shut-In 7
Shut-in Pressure, Tubing 960 (PG) PSIG	972 PSIA	
Flowing Pressure: P 223 PSIG	235 PSIA	Working Pressure: P _w 232 PSIG
Temperature: T 60 F	.85	Fpv (From Tables) 1.020
		Gravity .620

Initial SIPT (MV) = 1066 psig
Final SIPT (MV) = 1069 psig

Packer at 4826

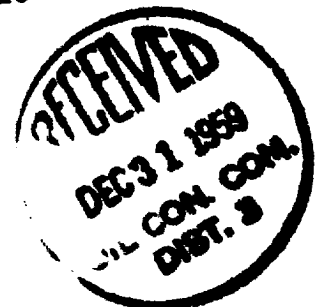
CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = 12.365 \times 235 \times 1.000 \times .9837 \times 1.020 = 2916$ MCF/D

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

Acf $\left(\frac{944,784}{885,248} \right)^n \cdot 1.0672^{.85} \times 2916 = 1.0569 \times 2916$

Aof 3082 MCF/D



TESTED BY S. V. Roberts

WITNESSED BY _____

Lewis D. Galloway
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