

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 10, 1960

Operator El Paso Natural Gas Co.	Lease San Juan 28-5 No. 44 (D)
Location 840S, 890W; Sec. 27-28N-5W	County Rio Arriba State New Mexico
Formation Dakota	Pool Undesignated
Casing Diameter 7" Set At Depth 7745	Tubing Diameter 2" EUE Set At Depth 8007
Pay Zone Feet 7812	Total Depth 8195 C/O 8157 Date 9/26/60
Stimulating Method Sand Water Frac.	Flow Through Tubing X

Fracture Length .75"	Fracture Width 12.365	5" Liner from 7653 to 8193
Initial Pressure (psig) (MV) 998	Final Pressure (psig) 1010	Fracture Length (ft) 2688 (Dak)
Fracture Pressure (psig) 347	Fracture Pressure (psig) 359	Working Pressure (psig) Calc.
Temperature 67	Temperature .9933	Fracture Temperature 1.029
		Temperature .610 to .9918

Initial SIFT (MV) = 998 psig
Final SIPC (MV) = 1005 psig

Guiberson "AG" Prod. Packer at 7321

CHOKE VOLUME = $Q \times A \times F_1 \times F_2 \times F_3$

$Q = 12.365 \times 359 \times .9933 \times .9918 \times 1.029$

4500

MCF/D

OPEN FLOW AREA = $\left(\frac{7290000}{6627404} \right)^n$

Area = $\left(\frac{7290000}{6627404} \right)^n$

$1.0999^{.75} \times 4500 = 1.0740 \times 4500$

Area = 4833

MCF/D

R. L. Nickell, Jr.

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