

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 20, 1960

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 116 (DK)	
Location 990'N, 1652'W, 11-26N-10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 2-7/8" O.D.	Set At: Feet 7021	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 6840	To 6884	Total Depth: 7030 c/o 7021	Shut In 12-5-60
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		"Slim Hole" Dual	
Shut-In Pressure, Casing, (G) 977	PSIG	12 - PSIA	Days Shut-In 15	Shut-In Pressure, Tubing Casing 2001 (D)	PSIG
Flowing Pressure: P 254	PSIG	12 - PSIA		Working Pressure: Pw Calc.	PSIG
Temperature: 80	F			Fpv (From Tables) 1.030	Gravity 0.740
		.9813	0.750		Fg = .9005

Initial SIPC (G) = **977 psig**Final SIPC (G) = **983 psig**CHOKE VOLUME = $Q \cdot C \cdot x \cdot P_i \cdot x \cdot F_v \cdot x \cdot F_g \cdot x \cdot F_{pv}$

$$Q = 12.365 \times 266 \times .9813 \times .9005 \times 1.030$$

2994

MCF/D

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

$$Aof = \left(\frac{4,052,169}{3,896,144} \right)^n = (1.0400)^{.75} (2994) = (1.0299)(2994)$$

Aof = **3084** MCF/DTESTED BY **T.B.Grant - R.L.Nickell - C.R.Wagner**

WITNESSED BY

Checked by: W. D. Dawson

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