

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 27, 1965

Operator El Paso Natural Gas Company	Lease Huerfano Unit No. 85. (DK)
Location 1090'S, 1750'W, Sec. 26, T-27-N, R-9-W	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing: Diameter 5.500 Set At: Feet 6861	Tubing: Diameter 2.375 Set At: Feet 6694
Pay Zone: From 6592 To 6738	Total Depth 6862 Shut In 10-19-65
Stimulation Method Sand Water Frac	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	Packer at 4650
Shut-In Pressure, Casing, PSIG (MV) 1055	12 - PSIA (MV) 1067	Days Shut-In 8
Flowing Pressure: P 332	PSIG 344	Shut-In Pressure, Tubing, PSIG (DK) 1911
Temperature: T 78 F	Ft .9831	Working Pressure: Pw Calc 727
	.75	Flow (From Tables) 1.037
		Gravity .700
		.9258

Initial SIPT (MV) = 1008 Psig

Final SIPC (MV) = 1080 Psig

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

$Q = (12.365) (344) (.9831) (.9258) (1.037) = 4015$

MCF/D

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

$A_{of} = \left(\frac{3,697,929}{3,169,400} \right)^n (1.1667)^{.75} (4015) = (4015) (1.1225)$

$A_{of} = 4509$

MCF/D

TESTED BY **Don Norton**

CHECKED BY **Herman E. McAnally**



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