

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

CORRECTED COPY

DATE December 4, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 27-5 No. 71(MV) (OWNO)	
Location 1190'N, 797'E, Sec. 28-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7.625	Set At: Feet 3409	Tubing: Diameter 2.0625	Set At: Feet 5454
Pay Zone: From 4870	To 5492	Total Depth: 5580 C/O 5517	Shut In 11-13-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	5.500" Liner at 3343' - 5580'. Baker Model "N" Packer at 3499'.	
Shut-In Pressure, Casing, PSIG (PC) 956	12 - PSIA 968	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG (MV) 1123
Flowing Pressure, P, PSIG 176	12 - PSIA 188	Working Pressure: Pw Calculated	12 - PSIA 493
Temperature: 54 F	F ₁ 1.0068	F _{pv} (From Tables) 1.018	Gravity .650
	F ₂ .75		F _g .9608

Initial SIPT (PC) = 864 psig

Final SIPC (PC) = 959 psig

Q = C x P_i x F₁ x F_g x F_{pv}

Q (12.365)(188)(1.0068)(.9608)(1.018)

2289

MCF/D

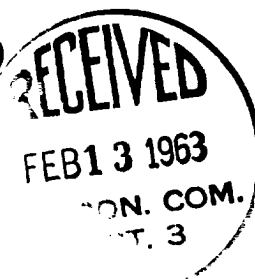
$$Q = \left(\frac{P_c^2 - P_w^2}{P_c^2} \right)^n$$

$$Acf = \left(\frac{1,288,225}{1,045,176} \right)^n$$

$$(2289)(1.2325)^{.75} = (2289)(1.1700)$$

Acf 2678

MCF/D



CORRECTED COPY

Don Mortensen

Calculated by H. L. Kendrick

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