

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 25, 1960

Operator El Paso Natural Gas Company	Lease San Juan 28-6 Unit No. 97 (M)
Location 810N, 1700E; 35-28N-6W	County Rio Arriba State New Mexico
Formation Mesaverde	Pack Blanco MV
Casing Diameter 7-5/8 Set At Feet 3587	Tubing Diameter 2" Set At Feet 5654
Pay Zones From 5102 To 5702	Total Depth 5770 c/o 5723 Start In 7/11/60
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3524 - 5766
Shut-in Pressure, Casing (PC) 1099	PSIG - 12 - PSIA 1111	Days Shut-in 45
Flowing Pressure, F 382	PSIG - 12 - PSIA 394	Shut-in Pressure, Tubing (MV) 1050
Temperature T 70 F	Gr .9905	Working Pressure, Fw Calc. 798
		Flow From Tables 1.042
		Gravity .684 Fg .9393

Initial SIPT (PC) = 1098 psig
Final SIPC (PC) = 1104 psig

Guiberson "Shorty" Packer at 3604'

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

$$Q = 12.365 \times 394 \times .9905 \times .9393 \times 1.042$$

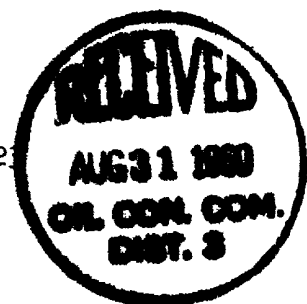
4723

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_a^2} \right)^n$

$Q = \left(\frac{1127844}{491040} \right)^n$

$2.2968^{.75} \times 4723 = 1.8630 \times 4723$



Avf 8799

MCF/D

Blew slight mist during test.

D. Mortensen

Checked By

W. D. Dawson

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