

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 21, 1960

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 53 (MV)	
Location 800'S, 1050'W, Sec. 5-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco MV	
Casing Diameter 7-5/8"	Set At: Feet 3650	Tubing Diameter 2-3/8" O.D.	Set At: Feet 5723
Pay Zone: From 5218	To 5756	Total Depth: 5839 C/O 5790	Shut-In 12-14-60
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2" Liner from 3605 to 5836	
Shut-In Pressure, Casing, (PC) 826	PSIG - 12 - PSIA 838	Days Shut-In 7	Guiberson "Shorty" Prod. Pkr. at 3677
Flowing Pressure: P 302	PSIG - 12 - PSIA 314	Shut-In Pressure, Tubing (MV) 1032	PSIG - 12 - PSIA 1044
Temperature: 65	.9952	Working Pressure: Pw 635	PSIG - 12 - PSIA 635
	.75	Calc. = 1.030	Gravity .650
		Fpv (From Tables)	Fg .9608

Initial SIPT (PC) = 826 psig

Final SIPT (PC) = 833 psig

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365)(314)(.9952)(.9608)(1.030)$$

3824

MCF/D

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

$$Aof = \left(\frac{1,089,936}{686,711} \right)^n \quad 1.5871^{.75} \times 3824 = (1.4145)(3824)$$

Aof

5409

MCF/D

TESTED BY

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WITNESSED BY

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