

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 27, 1960

Operator El Paso Natural Gas Company	Lease San Juan 28-7 No. 71 (MV)
Location 1840'B, 1150'W, 34-28N-7W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pack Blanco MV
Casing: Diameter 7-5/8" Set At: Feet 2883	Tubing: Diameter 2" Set At: Feet 5102
Pay Zone: From 4454 To 5140	Total Depth: 5163 G/O 5150 Shut In 8-23-60
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	5-1/2" Liner from 2852 to 5163 Quiberson "Shorty" Pkr. at 2884'
Shut-In Pressure, Casing, (PC) 1064	PSIG - 12 PSIA 1076	Shut-In Pressure, Tubing (MV) 983
Flowing Pressure: P 266	PSIG - 12 PSIA 278	Working Pressure: Pw Calc.
Temperature: 65 F	Days Shut-In 65	Flow (From Tables) 1.028
		Gravity .670 Fg - .9463

Initial SIPT (PC) = 1064 psig
Final SIPC (PC) = 1071 psig

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

$$Q = 12.365 \times 278 \times .9952 \times .9463 \times 1.028$$

3328

MCF/D

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

$$A_{of} \left(\frac{990,025}{698,425} \right)^n$$

$$(1.4175)^{.78} (3328) = (1.2990)(3328)$$

A_{of}

4323

MCF/D

TEST BY

Tom Grant

WITNESSED BY



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