

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

DATE 5-23-63

Operator El Paso Natural Gas Company	Lease San Juan Unit 28-7 No. 45(MV) (OWWO)
Location 1750'S, 1050'W, Sec. 27, 5-28-N, R-7-W	County Rio Arriba State New Mexico
Formation Mesa Verde	Flow Blanco
Casing Diameter 5.50 Set At Feet 5095	Tubing Diameter 2.0625 Set At Feet 5038
Perforation 4338 To 5055	Test Depth 5100 Shut In 5-14-63
Stimulation Method Sand Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke size, inches 0.75	Choke constant C 12.365	Baker Model "N" packer set at 2959'
Shut-In Pressure, Casing, PSIG 678(PC)	12 PSIA Days shut in 690 9	Shut-In Pressure, Tubing, PSIG 791(MV) 803
Flowing Pressure, P, PSIG 165	12 PSIA 177	Working Pressure, Pw, PSIG (Calc.) 116
Temperature 62	.9981 .750	Flow From Tables 1.019 Gravity .690 Fg .9325

ISIPT(PC) = 678 psig

FSIFC(PC) = 680 psig

CHOKI VOLUME Q C x P_i x F_i x F_g x F_g

$$Q = (12.365)(177)(.9981)(.9325)(1.019)$$

2076

MCF D

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

$$Act \left(\frac{644,809}{445,893} \right)^n (2076)(1.1461)^{.75} = (2076)(1.3192)$$

NOTE: Workover performed to eliminate communication between producing zones.

Act 2739 MCF D

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Calculated by:

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