

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 6, 1963

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-6 No. 85(MV) OWWO	
Location 1840'N, 1460'E, Sec. 25-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.500	Set At: Feet 5441	Tubing: Diameter 2.375	Set At: Feet 5265
Pay Zone: From 1762	To 5398	Total Depth: 5441 C/O 5416	Shut In 7-22-63
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365	5 1/2" Liner 3170' to 5441'	
Shut-In Pressure, Casing, 642 (PC)	PSIG · 12 · PSIA 654	Days Shut-In 15	Baker Model "F" Packer at 4573'
Flowing Pressure: P 245	PSIG · 12 · PSIA 257	Shut-In Pressure, Tubing (MV) 866	PSIG · 12 · PSIA 878
Temperature: 68	.9924	Working Pressure: P _w Calc.	PSIG · 12 · PSIA 503
T 68	.75	E _{pv} (From Tables) 1.027	Gravity .680 F _g .9393

ISIPT (PC) = 642 psig

FSIPC (PC) = 646 psig

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

$$Q = (12.365)(257)(.9924)(.9393)(1.027)$$

3042

MCF/D

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

$$Aof = \left(\frac{770884}{517875} \right)^n$$

$$(1.4885)^{.85} (3042) = (1.4025)(3042)$$

Aof 4266

MCF/D

NOTE: Blew light spray of water & distillate throughout entire test.

TESTED BY
Calculated

Dannie Roberts

~~ADDRESS~~ BY

Herman E. McAnally

Checked by

W. D. Dawson



Lewis D. Galloway
Lewis D. Galloway