

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 11, 1963

Operator El Paso Natural Gas Company	Least San Juan Unit 32-7 No. 37 (DK)
Location 790'N, 300'W, Sec. 9, T-32-N, R-7-W	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4.000	Tubing Diameter 2.0625
Set At Feet 8023	Set At Feet 7738
Pay Zone Feet 7766	Shut In 12-4-63
Stimulation Method Sand/Water Frac.	Flow Through Casing X

Choke size, inches 0.750	Choke Constant C 12.365	Baker Model "N" Packer at 7402'.
Shut-in Pressure, casing (MV) 925	PSIG 937 Days Pressure 7	Shut-in Pressure, Tubing (DK) 1957 PSIG 1969
Flowing Pressure, P 40	PSIG 52	Working Pressure, Pw (Calc) 142 PSIG 154
Temperature 59	1.0010 .75	Flow From Tables 1.003 Gravity .600 Fg 1.000

Initial SIPT (MV) = 937 psia

Final SIPC (MV) = 941 psia

CHOKE VOLUME $Q = C \times R \times I \times F_g \times F_v$

$$Q = (12.365)(52)(1.0010)(1.000)(1.003)$$

646

MCF/D

OPEN FLOW Ad = $Q \left(\frac{3,876,961}{3,853,245} \right)^n$

Ad =

$$(646)(1.0061)^{.75} = (646)(1.0046)$$

Ad =

649

MCF/D



NOTE: Approximately 6 minutes after well was turned on, it unloaded a lot of water and distillate, then blew light spray of same throughout remainder of test.

Calculated by D. R. Roberts

Checked by W. D. Dawson

Checked by T. B. Grant

Lewis D. Galloway
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