

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 10, 1964

Operator El Paso Natural Gas Company	Lease San Juan Unit 27-4 No. 35 (MV)
Location 1090S, 1550W, Sec. 26, T-27-N, R-4-W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 4.500 Set At: Feet 6464	Tubing: Diameter 1.900 Set At: Feet 6334
Pay Zone: From 5934 To 5361	Total Depth 6470 Shut In 7-27-64
Stimulation Method Sand Water Frac	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365	Baker Model "D" Packer set at 4250 ft.
Shut-In Pressure, Casing, (PC) 1012 PSIG	PSIA 1024 Days Shut-In 14	Shut-In Pressure, Tubing (MV) 1132 PSIG
Flowing Pressure: P 239 PSIG	PSIA 251	Working Pressure: P _w (Calc) 851 PSIG
Temperature: T 54 °F	F _g 1.0058 F _g .75	Gravity F _g .650 F _g .9608

ISIPT (PC) = 1010 psig

FSIPC (PC) = 1015 psig

CHOKE VOLUME $Q = C \times P_c \times F_g \times F_v$

$Q = (12.365) (251) (1.0058) (.9608) (1.026)$

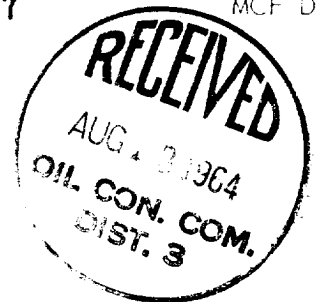
3077

MCF/D

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

$A_{of} = \left(\frac{1308736}{584535} \right)^n$

$(3077) (2.2389)^{.75} = (3077) (1.8290)$



NOTE: Blew clear gas entire test.

$A_{of} = 5628$

MCF/D

TESTED BY J. B. Goodwin

CALCULATED W. D. Dawson

CHECKED BY T. B. Grant

Lewis D. Galloway
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