

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 1, 1959

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 4 (P) OWWO	
Location 990N, 990E; 29-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7	Set At Feet 4825	Tubing Diameter 1-1/4	Set At Feet 3282
Flow Zone From 3203	To 3304	Total Depth 5566 c/o 5525	Shut in: 7/22/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant, C 12.365	5" at 4764 - 5566
Shut-in Pressure, Casing, PSIG 1020 (PC)	Days Shut-in 41	Shut-in Pressure, Tubing, PSIG 1021 (PC)
Flowing Pressure, P, PSIG 96		Working Pressure, Pw, PSIG 102
Temperature, T, F 57		Spv. From Tables 1.007
		Gravity .631

Initial SIPT (MV) = 1089 psig
Final SIPT (MV) = 1075 psig

Packer at 4798

CHOKE VOLUME = $Q_c \times C \times P_c \times F_p \times F_g \times F_v$

$Q_c = 12.365 \times 108 \times 1.0029 \times .9759 \times 1.007 = 1316$ MCF/D

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

$A_{of} = \left(\frac{1067089}{1054093} \right)^{.85} \times 1316 = 1.0104 \times 1316$

$A_{of} = 1330$ MCF/D

TESTED BY S. V. Roberts

WITNESSED BY Tom Smith (N.M.O.C.C.)



Lewis D. Galloway
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