

EL PASO NATURAL GAS CO. S.A.E. 2-1174
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 23, 1959

Operator El Paso Natural Gas		Locality San Juan 28-6 No. 92 (M)	
Location 1790N, 1550E; 2-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Flow Blanco	
Casing Diameter 7-5/8	Set At Feet 3427	Tubing Diameter 2"	Set At Feet 5460
Perforation From 4900	To 5482	Total Depth 5621 c/o 5531	Shut In: 6/13/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size (in.) .75	Choke Constant 12.365	5-1/2 liner 3360 - 5619
Shut-In Pressure, Casing, PSIG 968 (PC)	12 PSIA 976	Shut-In Pressure, Tubing, PSIA 1045 (MV)
Flowing Pressure, Casing, PSIG 261	12 PSIA 273	Flowing Pressure, Tubing, PSIA Calc. 540
Temperature, Casing, °F 71	Temperature, Tubing, °F .75	Temp. From Tables, °F 1.030 .703

Initial SIPT (PC) = 964 psig

Packer at 3334

Final SIPC (PC) = 969 psig

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4$

$$Q = 12.365 \times 273 \times .9896 \times .9258 \times 1.030$$

3185

MCF/D

OPEN FLOW Area Q

$$\left(\frac{P_1^2 - P_2^2}{P_2^2 - P_3^2} \right)^n$$

$$A_{OF} = \left(\frac{1117249}{825649} \right)^n$$

$$1.3531^{.75} \times 3185 = 1.2548 \times 3185$$

A_{OF} 3997

MCF/D



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