

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 18, 1958

Operator El Paso Natural Gas		Lease San Juan 27-5 Unit 33 (P)	
Location 1650N, 1550E; 26-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7-5/8	Set At Feet 3530	Tubing Diameter 1-1/4	Set At Feet 3420
Pay Zone From 3364	To 3436	Total Depth 5703 c/o 5671	Shut-in 6/19/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3499 - 5701
Shut-in Pressure, Casing, PSIG 1046	PSIA 1058	Days Shut-in 29
Flowing Pressure, Casing, PSIG (PC) 460	PSIA 472	Shut-in Pressure, Tubing, PSIG 1046
Temperature, T 66	.85	Working Pressure, Tubing, PSIG (PC) 482
		Flow From Tables 1.051
		Gravity .670

Initial SIPT (MV) 1134 psig
Final SIPT (MV) 1139 psig

Packer at 3535

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{ov}$

$Q = 12.365 \times 472 \times .9943 \times .9463 \times 1.051$

5771

MCF/D

OPEN FLOW $Ac = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

$Ac = \left(\frac{1119364}{875328} \right)^n$

$1.2787^{.85} \times 5771 = 1.2325 \times 5771$

Ac 7113 MCF/D

TESTED BY Frank Clark

WITNESSED BY

Checked By Tom Grant

Lewis D. Galloway
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