

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 10, 1958

El Paso Natural Gas Company		San Juan 27-5 Unit 37 (P)	
Location 800N, 840E; 20-27-5		County Rio Arriba	State New Mexico
Well Name Pictured Cliffs		Well Type Undesignated	
Tubing Size 7-5/8	Set At Feet 3435	Tubing Size 1-1/4	Set At Feet 3332
Pay Zone From 2309	To 2807	Flow Through Casing 5573 c/o 5573	Flow Through Tubing Shut-in 3/16/58
Completion Method Sand Water Frac		Flow Through Casing X	

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 3418-5617
Shut-in Pressure, Casing 1094 (PC)	PSIG 12 - PSIA 1106	Days Shut-in 86 (PC)
Flowing Pressure, Casing 97	PSIG 12 - PSIA 109	Shut-in Pressure, Tubing 1094 (PC)
Temperature 61	Gravity .85	PSIG 12 - PSIA 1106
		Flowing Pressure, Tubing 101
		PSIG 12 - PSIA 113
		Flowing Pressure, Casing 1.009
		Gravity .670

Initial SIPT (MV) 1090 psig
Final SIPT (MV) 1093 psig

2" at 5509
Packer at 3450

CHECK VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = (12.365)(109)(.9990)(.9463)(1.009)$$

1286

MCF/D

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

$$\left(\frac{1223236}{1210467} \right)^n$$

$$(1.0105)^{.85} (1286) = (1.00891)(1286)$$

1297 MCF/D

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