

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 5, 1958

Operator El Paso Natural Gas		Lease San Juan 28-6 No. 81 (P)	
Location 890S, 890W, 12-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7-5/8"	Set At: Feet 3377	Tubing Diameter 1-1/4"	Set At: Feet 3217
Pay Zone 3215	Total Depth 3276	Total Depth 5604 c/o 5556	Shut-in 5-10-58
Stimulation Method Sand Water Frac		Flow Through Tubing X	

Wellbore Diameter .75		Choke Coefficient 12.365		5-1/2" liner 3342 - 5599	
Shut-in Pressure, Casing 1002	PSIG	12 PSIA	Days Shut-In 26	Shut-in Pressure, Tubing 1002	PSIG
Flowing Pressure: F 368	PSIG	12 PSIA	Working Pressure: Fw 377	PSIG	12 PSIA
Temperature: T 64	F	85	Flow From Tables 1.041	Gravity .670	

Initial SIPT (MV) 1067 PSIG
Final SIPT (MV) 1073 PSIG

2" at 5190
Packer at 3409

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

$$Q = (12.365)(380)(.9962)(.9463)(1.041)$$

4,611

MCF D

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

$$A_{of} = \left(\frac{1028196}{876875} \right)^n$$

$$(1.1725)^{.85} (4611) = (1.1449)(4611)$$

A_{of} 5,279 MCF D



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