OPEN FLOW TEST DATA

DUAL COMPLETION DATE July 30, 1958

Operator: El Paso Natural Gas		Lease: San Juan 27-5 Unit 31 (P)	
Location: 990N, 990E; 24-27-5		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: Tapacito	
Casing: Diameter: 7-5/8	Set At: Feet: 3607	Tubing: Diameter: 1-1/4"	Set At: Feet: 3512
Pay Zone: From: 3446	To: 3502	Total Depth: 5831	Shut-in 7/20/58
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: 3/4"	Choke Constant: C: 12.365	2" at 5746	
Shut-in Pressure, Casing: 928 (PC) PSIG: 940 PSIA	Days Shut-in: 10	Shut-in Pressure, Tubing: 927 (PC) PSIG: 939 PSIA	
Flowing Pressure: P: 318 PSIG: 330 PSIA		Working Pressure: P_w: 514 PSIG: 526 PSIA	
Temperature: T: 66	Fpv: .85	Fg: From Tables: 1.035	Gravity: .680

Initial SIPT (MV) 1096 psig
Final SIPT (MV) 1099 psig

Packer 3550

CHOKE VOLUME: $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = 12.365 \times 330 \times .9943 \times .9393 \times 1.035 = 3944$ MCF D

OPEN FLOW: $Aof = Q \left(\frac{P_t^2}{P_t^2 - P_w^2} \right)^n$

$\left(\frac{883600}{606924} \right)^n$ $1.4558^{.85}$ (3944) = 1.3765 (3944)

Aof 5429 MCF D

Richard Proctor

Checked By M. W. Rischard

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AUG 8 1958
OIL CON. COM.
DIST. 3

Lewis D. Galloway

L. D. Galloway