

EL PASO NATURAL GAS COMPANY 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
Format 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	12 - PSIA 940	Days Shut-in 10	Shut-in Pressure, Tubing 927 (PC)	PSIG
Flowing Pressure, P 318	PSIG	12 - PSIA 330		Working Pressure, Pw 514	PSIG
Temperature, T 66	F			Sp. Gr. From Tables 1.035	Gravity .680

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

Packer 3550

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{av}$

$C = 12.365 \times 330 \times .9943 \times .9393 \times 1.035$

3944

MCF/D

$$\text{OPEN FLOW} = A_{of} \times Q \left(\frac{P_1}{P_2} \right)^n$$

$$A_{of} = \left(\frac{883600}{606924} \right)^n$$

$$1.4558^{.85} (3944) = 1.3765 (3944)$$

$A_{of} = 5429$ MCF/D

By Richard Proctor

Witnessed by _____

Checked By M. W. Rischard

Lewis D. Galloway

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