

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 1, 1958

Operator El Paso Natural Gas		Lease Johnston State No. 3 (C)	
Location 1273N, 990E; 32-26-6		County Rio Arriba State New Mexico	
Formation Chacra		Pool Undesignated	
Casing Diameter	Set At Feet 5-1/2 liner 2963 - 5291	Tubing Diameter 2"	Set At Feet 3834
Pay Zone: From 3724	To 3840	Total Depth 5294 c/o 3930	Shut-in 7/6/58
Stimulation Method Acidized w/HCl		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75	Choke Constant 12.365	Shut-in Pressure, P _{sh} , PSIG 827 (PC)	Days Shut-in 25	Shut-in Pressure, P _{sh} , PSIA 905 (C)	PSIA 917
Flowing Pressure, P _f , PSIG 194	PSIA 206	Working Pressure, P _w , PSIG Calc.	PSIA 364	Flowing Pressure, P _f , PSIA 364	Gravity .700
Temperature, T, F 64	F .85	Epv, From Tables 1.023			

Initial SIPT (PC) 828 psig
Final SIPC (PC) 829 psig

Packer at 3023

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_g \times F_v$

$$Q = 12.365 \times 206 \times .9962 \times .9258 \times 1.023$$

2403

ACE D

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

Act $\left(\frac{840889}{708393} \right)^n$

$$1.1870^{.85} \times 2403 = 1.1570 \times 2403$$

Act 2780 ACE D

Witnessed By Frank M. Clark

Witnessed By Fred Cook (NMOCC)

Checked By M. W. Rischard

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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