

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 4, 1959

Operator El Paso Natural Gas Company		Lease San Juan 28-7 No. 52 (M) OWWO	
Location 1840N, 990E; Sec. 27-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5-1/2	Set At Feet 5220	Tubing Diameter 2"	Set At Feet 5114
Pay Zone Feet 4442	5155	Total Depth c/o 5205	Shut In: 7/30/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75	Choke Constant, C 12.365	Shut-In Pressure, Tubing 902 (MV)	PSIG 914
Shut-In Pressure, Casing 1130 (PC)	PSIG 1142	Days Shut-In 36	Working Pressure, Casing Calc.
Flowing Pressure, Casing 318	PSIG 330	Flowing Pressure, Tubing 643	Gravity .715
Temperature 68	.75	Flow Through Tubing 1.038	

Initial SIPT (PC) = 1131 psig

Packer at 2868

Final SIPC (PC) = 1136 psig

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

$$Q = 12.365 \times 330 \times .9924 \times .9161 \times 1.038 = 3851 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{835396}{421947} \right)^n \quad 1.9798^{.75} \times 3851 = 1.6680 \times 3851$$

$A_{of} = 6423 \text{ MCF/D}$

INITIAL BY S. V. Roberts

WITNESSED BY Tom Smith (NMOCC)



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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