

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE February 18, 1959

Operator El Paso Natural Gas		Lease San Juan 28-7 No. 95 (M)	
Location 8908, 890W; 4-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Size 7-5/8	Set At Feet 3546	Tubing Diameter 2"	Set At Feet 5747
Pay Zone 5452	To 5750	Total Depth 5794 c/o 5760	Shut in 2/8/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75		Choke Constant, C 12.365		5-1/2 liner 3466-5790	
Static Pressure, psig (PC) 966	PSIG	Static Pressure, PSIA 978	PSIA	Static Pressure, psig (MV) 968	PSIG
Flowing Pressure, P 121	PSIG	Flowing Pressure, PSIA 133	PSIA	Working Pressure, P Calc.	PSIG
Temperature, °F 57	°F	Temperature, °F .75	°F	Specific Gravity 1.013	Gravity
					.674

Initial SIPT (PC) = 966 psig

Final SIPC (PC) = 968 psig

Packer set at 3557

CHOKE VOLUME $C = C \times P_1 \times P_2 \times P_3 \times P_4$

$$12.365 \times 133 \times 1.0029 \times .9463 \times 1.013 = 1581 \text{ MCF/D}$$

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

$$Q = \left(\frac{960400}{888576} \right)^n \quad 1.0808^{.75} \times 1581 = 1.0600 \times 1581$$

Q = 1676 MCF/D

By Jesse B. Goodwin

Witnessed By

Checked By H. L. Kendrick

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