

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 16, 1959

Operator El Paso Natural Gas Company		Lease San Juan 28-7 No. 1 (P) OWWO	
Location 660N, 660E; 33-28-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7"	Set At: Feet 4884	Tubing: Diameter 1-1/4	Set At: Feet 2662
Pay Zone: From 2658	To 2696	Total Depth 5210 c/o 4980	Shut In: 7/25/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	Liner 4203 - 5019	
Shut-In Pressure, Casing, PSIG 1031 (PC)	- 12 = PSIA 1043	Days Shut-In 53	Shut-In Pressure, Tubing, PSIG 1026 (PC)
Flowing Pressure: P, PSIG 101	- 12 = PSIA 113	Working Pressure: P _w , PSIG 106	- 12 = PSIA 118
Temperature: T, °F 62	n = .85	Fpv (From Tables) 1.012	Gravity .700

Initial SIPT (MV) = 789 psig

Final SIPT (MV) = 784 psig

Packer at 3322

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

$$Q = 12.365 \times 113 \times .9981 \times .9258 \times 1.012 = 1307 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1087849}{1073925} \right)^n \quad 1.0129^{.85} \times 1307 = 1.0110 \times 1307$$

$$Aof = 1321 \text{ MCF/D}$$

TESTED BY Frank Clark

WITNESSED BY _____

Checked By H. L. Kendrick

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