

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 16, 1958

Operator El Paso Natural Gas		Lease Rincon 115 (P)	
Location 9908, 1190W; 21-2746		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco PC	
Casing Diameter 7-5/8	Set At: Feet 3414	Tubing Diameter 1-1/4	Set At: Feet 3212
Pay Zone: From 3206	To 3252	Total Depth: 5605 c/o 5553	Shut-in 8/20/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2 liner 3373 - 5605	
Shut-In Pressure, Casing, PSIG 944	+ 12 = PSIA 956	Days Shut-In 27	Shut-in Pressure, Tubing, PSIG 944
Flowing Pressure: P, PSIG 138	+ 12 = PSIA 150	Working Pressure: P _w , PSIG 138	+ 12 = PSIA 150
Temperature: T, °F 60	Grav .85	F _{pv} (From Tables) 1.013	Gravity .631

Initial SIPT (MV) = 993 SSIG

Packer at 3279

Final SIPT (MV) = 993 PSIG

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

$$Q = 12.365 \times 150 \times 1.000 \times .9759 \times 1.013 = 1834 \text{ MCF/D}$$

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

$$Aof = \left(\frac{913936}{891436} \right)^n (1.0252)^{.85} \times 1834 = 1.0214 \times 1834$$

$$Aof = 1873 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY _____

Checked By S. V. Roberts

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