

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE August 23, 1957

Operator El Paso Natural Gas		Lease Rincon No. 85	
Location 1650'N, 890'E, Sec. 15-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3445	Tubing: Diameter 1-1/4	Set At: Feet 3318
Pay Zone: From 3278	To 3326	Total Depth: 5755 - c/o 5680. Packer at 3561	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner at 5755	
Shut-in Pressure, Casing, PSIG 991	+ 12 = PSIA 1003	Days Shut-In 37	Shut-in Pressure, Tubing, PSIG 991	+ 12 = PSIA 1003	
Flowing Pressure: P, PSIG 176	+ 12 = PSIA 188		Working Pressure: P _w , PSIG 178	+ 12 = PSIA 190	
Temperature: T, F 64	n = .85		Fpv (From Tables) 1.016	Gravity .638	

Starting SIPT (MV) - 1082 psig; Final SIPT (MV) - 1084 psig

CHOCKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 12.365 \times 188 \times .9962 \times .9721 \times 1.016 = 2287 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,006,009}{969,909} \right)^n = 1.0372^{.85} \times 2287 = 1.0315 \times 2287$$

$$A_{of} = 2359 \text{ MCF/D}$$

TESTED BY Jess Goodwin and R. A. Ullrich

WITNESSED BY _____

cc: E. J. Coel, Jr. (6)



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