

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 16, 1965

Operator El Paso Natural Gas Company		Lease Storey No. 8-C (PC) (OWWO)	
Location 1450'S, 1850'W, Section 33, T-28-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7.625	Set At: Feet 5290	Tubing: Diameter 1.660	Set At: Feet 4636
Pay Zone: From 3128	To 3196	Total Depth: 5645	Shut In 5-24-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365		Packer set at 3273 ft.	
Shut-In Pressure, Casing, PSIG 540	+ 12 = PSIA 552	Days Shut-In 23	Shut-In Pressure, Tubing PSIG 540	+ 12 = PSIA 552
Flowing Pressure: P PSIG 91	+ 12 = PSIA 103		Working Pressure: P _w PSIG 98	+ 12 = PSIA 110
Temperature: T = 63 °F	F _t = .9971	n = .85	F _{pv} (From Tables) 1.009	Gravity .699 F _g = .9292

ISIPT (MV) = 756 psig

FSIPT (MV) = 758 psig

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

$$Q = (12.365) (103) (.9971) (.9292) (1.009) = 1193 \text{ MCF/D}$$

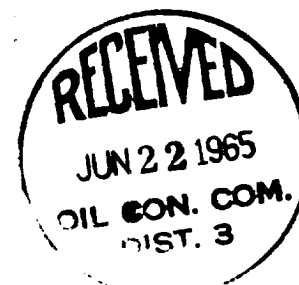
$$\text{OPEN FLOW} = A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{291,600}{279,500} \right)^n = (1193) (1.0432) = (1193) (1.0366)$$

$$A_{of} = 1237 \text{ MCF/D}$$

TESTED BY H. E. McAnally

WITNESSED BY



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