

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 10, 1965

Operator Southern Union Production Company		Lease Federal Largo No. 1 (DK)	
Location 1450'S, 1450'W, Section 34-29-9		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5.000	Set At: Feet 6740	Tubing: Diameter 1.900	Set At: Feet 6573
Pay Zone: From 6491	To 6694	Total Depth: 6740	Shut In 6-1-65
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		Packer at 6310 ft. - Company Distribution Only	
Shut-In Pressure, Casing, (MV) 924	PSIG: + 12 = PSIA 936	Days Shut-In 9	Shut-In Pressure, Tubing (DK) 1940	PSIG: + 12 = PSIA 1952
Flowing Pressure: P 291	PSIG: + 12 = PSIA 303		Working Pressure: P _w Calc.	PSIG: + 12 = PSIA 1033
Temperature: T = 69 °F	F _t = .9915	n = .750	F _{pv} (From Tables) 1.035	Gravity .700 F _g = .9258

ISIPT (MV) = 928 psig

FSIPC (MV) = 933 psig

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

$$Q = (12.365) (303) (.9915) (.9258) (1.035) = 3559 \text{ MCF/D}$$

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

$$Aof = \left(\frac{3,810,304}{2,743,883} \right)^n = (3559) (1.3886)^{.75} = (3559) (1.2791)$$

$$Aof = 4552 \text{ MCF/D}$$

TESTED BY Vern Rockhold (SUPC)

WITNESSED BY Don Nortcn (EPNG)



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