

(5)

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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 3, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Florance F No. 3	
Location 990 S - 1668 E Sec. 25 - 30N - 10W		County San Juan	State N. M.
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2640	Tubing: Diameter None	Set At: Feet
Pay Zone: From 2540	To 2580	Total Depth: 2640	Shut In 3-25-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 969	+ 12 = PSIA 981	Days Shut-In 9	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 181	+ 12 = PSIA 193	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA		
Temperature: T = 70 °F	F _t = .9905	n = .85	F _{pv} (From Tables) 1.016	Gravity .635	F _g = .9721

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(193)(.9905)(.9721)(1.016) = \underline{2335} \text{ MCF/D}$$

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

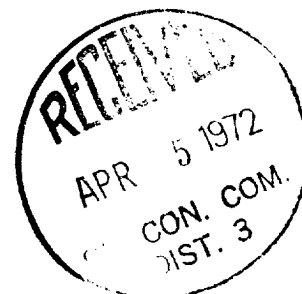
NOTE: Well made light spray of condensate and water throughout test.

$$Aof = \left(\frac{962361}{906665} \right)^n = (1.0614)^{.85} (2335) = (1.0520)(2335) = 2456$$

$$Aof = \underline{2456} \text{ MCF/D}$$

TESTED BY D. R. R.

WITNESSED BY _____



L. E. Mabe Jr.
L. E. Mabe, Jr.