

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 6-28-71

Operator El Paso Natural Gas Company		Lease Sunray A No. 4	
Location 940' S, 1500' E, S 15, T30N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3173	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 3030	To 3070	Total Depth: 3173	Shut In 6-21-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 807	+ 12 = PSIA 819	Days Shut-In 7	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 300	+ 12 = PSIA 312	Working Pressure: P _w calculated	PSIG	+ 12 = PSIA 396	
Temperature: T = 68 °F	F _t = .9924	n = .85	F _{pv} (From Tables) 1.028	Gravity .635	F _g = .9721

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

$$Q = 12.365 \times 312 \times .9924 \times .9721 \times 1.038 = \underline{\quad 3827 \quad} \text{ MCF/D}$$

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

Note: Well blew dry gas throughout test.

$$Aof = \left(\frac{670761}{513945} \right)^n = 3826(1.3051)^{.75} = 3826(1.2539)$$

$$Aof = \underline{\quad 4797 \quad} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____



H. L. Kendrick
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