

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 8, 1972

Operator El Paso Natural Gas Company		Lease Phillips No. 4	
Location 1190/S, 1650/W, Sec. 32 T28N, R 8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.075	Set At: Feet 2752	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2624	To 2666	Total Depth: 2752	Shut In 8-1-72
Stimulation Method S.W.F.		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 711	PSIG	+ 12 = PSIA 723	Days Shut-In 8	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 152	PSIG	+ 12 = PSIA 204		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 249
Temperature: T = 65 °F	F _t = 0.9952	n = .85		F _{pv} (From Tables) 1.018	Gravity .645 F _g = .9645

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

$$Q = (12.365)(204)(0.9952)(0.9645)(1.018) = \underline{2465} \text{ MCF/D}$$

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

NOTE: The well produced dry gas throughout the test.

$$Aof = \left(\frac{522729}{460725} \right)^n = (2465)(1.1346)^{.85} = (2465)(1.1133)$$

$$Aof = \underline{2744} \text{ MCF/D}$$

TESTED BY H. E. McAnelly

WITNESSED BY _____



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