

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8/29/72

Operator El Paso Natural Gas Company		Lease Hardie #6	
Location 990/S, 990/E, Sec. 25-T29N-R8W		County San Juan	State NM
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3053	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 2928	To 2972	Total Depth: 3053	Shut In 8/19/72
Stimulation Method SIF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 1067	+ 12 = PSIA 1079	Days Shut-In 10	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA	
Flowing Pressure: P 137 PSIG	+ 12 = PSIA 149	Working Pressure: P _w calculated	PSIG	+ 12 = PSIA 187	
Temperature: T = 60 °F F _t = 1.000	n = .85	F _{pv} (From Tables) 1.013	Gravity .650	F _g = .9608	

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

$$Q = (12.365)(149)(1.000)(.9608)(1.013) = \underline{1793} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1 \ 164 \ 241}{1 \ 129 \ 272} \right)^n = . (1793)(1.0310)^{.85} = (1793)(1.0262)$$

$$A_{of} = \underline{1840} \text{ MCF/D}$$

NOTE: Well produced dry gas throughout test.

TESTED BY _____

WITNESSED BY _____

J. A. Jones
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Well Test Engineer

