

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 25, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 27-5 Unit No. 134	
Location 1090/W, 1600/N Sec. 26- T 27N - R 5W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 2.875	Set At: Feet 3432	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3294	To 3360	Total Depth: 3432	Shut In 5-17-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 770	PSIG	+ 12 = PSIA 782	Days Shut-In 8	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 42	PSIG	+ 12 = PSIA 54		Working Pressure: Pw Calculated	PSIG + 12 = PSIA 69
Temperature: T = 60 °F	Ft = 1.000	n = .85		Fpv (From Tables) 1.004	Gravity .655 Fg = .9571

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

$$Q = (12.365 \times 54 \times 1.000 \times .9571 \times 1.004) = \underline{642} \text{ MCF/D}$$

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

$$Aof = \left(\frac{611524}{606763} \right)^n = (642)(1.008)^{.85} = (642)(1.007)$$

$$Aof = \underline{646} \text{ MCF/D}$$

TESTED BY R. H. & C.R.

WITNESSED BY _____

John A. Jones