

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 8, 1966

Operator El Paso Natural Gas Company		Lease Schwerdtfeger A No. 22	
Location 906'N, 1150'W, Section 6, T-27-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2163	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2094	To 2138	Total Depth: 2170	Shut In 6-24-66
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 665	+ 12 = PSIA 677	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -
Flowing Pressure: P PSIG 248	+ 12 = PSIA 260		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 310
Temperature: T = 65 °F	n = .85		Fpv (From Tables) 1.022	Gravity .630 Fg = .9759

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

$$Q = (12.365) (260) (.9952) (.9759) (1.022) = \underline{3191} \text{ MCF/D}$$

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

$$Aof = \left(\frac{458,329}{362,229} \right)^n = (3191) (1.2653)^{.85} = (3191) (1.2213)$$

NOTE: Light fog of water and distillate throughout the test.

$$Aof = \underline{3897} \text{ MCF/D}$$

TESTED BY A. J. Loleit & Walter Cassida

CHECKED

WITNESSED BY Tom B. Grant

RLGL
JUL 13 1966
OIL CON. COM.
DIST. 3

H. L. Kendrick
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