

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 5-8-69

Operator El Paso Natural Gas		Lease Grambling No. 6	
Location 1626'S; 1750'W; S-22; T-29N; T-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2294	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 2145	To 2164	Total Depth: 2303	Shut In 5-1-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 909	+ 12 = PSIA 921	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 192	+ 12 = PSIA 204		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 244
Temperature: T = 62° F .9981 F _t =	n = .85		F _{pv} (From Tables) 1.020	Gravity .650 F _g = .9603

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

$$Q = (12.365)(204)(.9981)(.9603)(1.020) = 2467 \text{ MCF/D}$$

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

Note: The well produced dry gas throughout the test.

$$Aof = \left(\frac{848241}{788705} \right)^n = (2467)(1.0754)^{.85} = (2467)(1.0668)$$

$$Aof = 2632 \text{ MCF/D}$$

TESTED BY D. N.
Calculated
WITNESSED BY H. E. M.



H. L. Kendrick
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