

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 3, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease FILLAN No. 2 (OWWO)	
Location 1450/S 1800/W Sec. 5-27N-8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2383	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2260	To 2292	Total Depth: 2383	Shut In 12-18-71
Stimulation Method SW		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 3/4"		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 591	+ 12 = PSIA 603	Days Shut-In 15	Shut-In Pressure, Tubing PSIG Tubingless Completion	+ 12 = PSIA	
Flowing Pressure: P 78	+ 12 = PSIA 90		Working Pressure: P _w PSIG Calculate	+ 12 = PSIA 108	
Temperature: T = 56 °F	F _t = 1.0039	n = .850	F _{pv} (From Tables) 1.007	Gravity .646	F _g = 0.9638

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

$$Q = (12.365)(90)(1.0039)(0.9638)(1.007) = 1084 \text{ MCF/D}$$

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

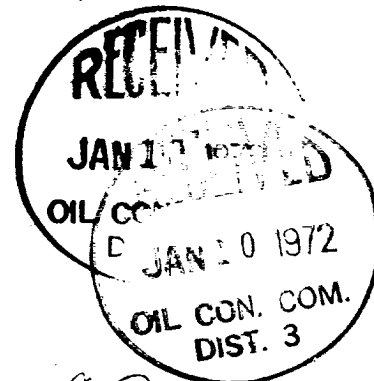
Note: The Well Produced dry gas throughout the test.

$$Aof = \left(\frac{363609}{351945} \right)^n = (1084)(1.0331)^{.85} = (1084)(1.0281)$$

$$Aof = 1114 \text{ MCF/D}$$

TESTED BY CRW

WITNESSED BY



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