

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 28, 1967

Operator El Paso Natural Gas Company		Lease Scott No. 7 (OWWO)	
Location 825'N, 1700'E, Sec. 3, T-31-N, R-10-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7.000	Set At: Feet 4532	Tubing: Diameter 2.375	Set At: Feet 5132
Pay Zone: From 1922	To 5210	Total Depth: 5210	Shut In 5-26-67
Stimulation Method Sand Oil Free		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 835	+ 12 = PSIA 847	Days Shut-In 33	Shut-In Pressure, Tubing PSIG 833	+ 12 = PSIA 845	
Flowing Pressure: P PSIG 259	+ 12 = PSIA 271		Working Pressure: P _w PSIG 568	+ 12 = PSIA 580	
Temperature: T = 76 °F F _t = .9850	n = .75		F _{pv} (From Tables) 1.024	Gravity .663	F _g = .9535

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

$$Q = (12.365)(271)(.9850)(.9535)(1.024) = \underline{3223} \text{ MCF/D}$$

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

$$Aof = \left(\frac{717409}{381009} \right)^n = (3223)(1.8829)^{.75} = (1.6075)(3223)$$

NOTE: Well blew light fog for first ten minutes of test and blew dry gas for remainder of test.

$$Aof = \underline{5181} \text{ MCF/D}$$

TESTED BY T. NortonCALCULATED
WITNESSED BY A. J. LoleitCHECKED BY H. L. Kendrick

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