

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 16, 1957

Operator El Paso Natural Gas Company		Lease Johnston # 6-X	
Location 1168'S, 1090'W, Sec. 10-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 2656	Tubing: Diameter 2"	Set At: Feet 4915
Pay Zone: From 4720	To 4935	Total Depth: 5010 - c/o - 4950	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		5 1/2" liner 4999	
Shut-In Pressure, Casing, PSIG 1026	- 12 = PSIA 1038	Days Shut-In 13	Shut-In Pressure, Tubing, PSIG 1025	- 12 = PSIA 1037
Flowing Pressure: P, PSIG 314	- 12 = PSIA 326		Working Pressure: P _w , PSIG 705	- 12 = PSIA 717
Temperature: T, F 68	n = .75		Fpv (From Tables) 1.037	Gravity .700

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

$$Q = 12.365 \times 326 \times .9924 \times .9258 \times 1.037$$

3841

MCF/D

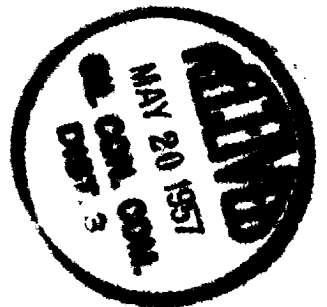
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{1,077,444}{563,355} \right)^n = (1.9125)^{.75} \times (3841) = (1.627) (3841)$$

$$Aof = 6249 \text{ MCF/D}$$

TESTED BY K. C. McBride and S. V. Roberts

WITNESSED BY _____


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