

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 9, 1957

Operator El Paso Natural Gas Company		Lease Newberry # 8	
Location 990'N, 1186'E, Sec. 9-31-12		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 4782	Tubing: Diameter 2"	Set At: Feet 5037
Pay Zone: From 4908	To 5050	Total Depth: 5092 - c/o - 5060	
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	
Shut-In Pressure, Casing, PSIG 1058	12 = PSIA 1070	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 1058	12 = PSIA 1070	
Flowing Pressure, P, PSIG 381	12 = PSIA 393		Working Pressure: P _w , PSIG 852		864
Temperature, T, F 70			F _{pv} (From Tables) 1.044	Gravity .702	

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$ $Q = 12.365 \times 393 \times .9905 \times .9258 \times 1.044$ 4652 MCF/D

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

$$Aof = \left(\frac{1,144,900}{398,404} \right)^n (2.8737)^{.75} (4652) = (2.212) \times (4652)$$

Aof 10,290 MCF/DTESTED BY K. C. McBride and S. V. Roberts

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

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