

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **October 11, 1956**

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 53	
Location 1600'S, 950'W, Sec. 8-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5½	Set At: Feet 5273	Tubing: Diameter 2 3/8"	Set At: Feet 5153
Pay Zone: From 5051	To 5155	Total Depth: 5278 - c/o - 5180'	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

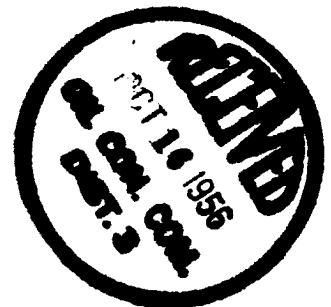
Choke Size, In. In. .750	Choke Constant: C 14.1605		
Shut-In Pressure, Casing 1092	PSIG 1104	12 - PSIA 10	Days Shut-in 10
Shut-In Pressure, Tubing 1092	PSIG 1104	12 - PSIA	
Flowing Pressure, P 323	PSIG 335	12 - PSIA	
Working Pressure: Pw 750	PSIG 762	12 - PSIA	
Temperature: T 77	F .75	Fpv (From Tables) 1.031	Gravity .667

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_{pv}$ $C = 14.1605 \times 335 \times .9840 \times .9498 \times 1.031 = 4571$ MCF/DOPEN FLOW $A_{of} = Q \left(\frac{P_r^2 - P_a^2}{P_r^2 - P_a^2} \right)^n$

$$A_{of} = \left(\frac{1,218,816}{638,172} \right)^n (1.9098)^{.75} \times 4571 = 1.624 \times 4571$$
 $A_{of} = 7423$ MCF/D

K. C. McBride

WITNESSED BY:


L. D. Galloway
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