

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 17, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 58	
Location 990'N, 1550'E, Sec. 23-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5 1/2	Set At: Feet 5764	Tubing: Diameter 2"	Set At: Feet 5584
Pay Zone: From 5120	To 5583	Total Depth: 5768' - c/o - 5610'	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 1065	- 2 - PSIA	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1057	- 12 - PSIA	1069
Flowing Pressure: P PSIG 431	- 2 - PSIA		Working Pressure: Pw PSIG 917	- 12 - PSIA	929
Temperature: T °F 76			Fpv (From Tables) 1.043		.662

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

$$Q = 14.1605 \times 443 \times .9850 \times .9535 \times 1.043 = 6,145 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,159,929}{296,888} \right)^n = (3.907)^{.75} 6145 = 2.78 \times 6145$$

$$Aof = 17,083 \text{ MCF/D}$$

TESTED BY K. C. McBrideWITNESSED BY C. R. Wagner

Lewis D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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