

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE October 22, 1956

Company El Paso Natural Gas Company		Lease Cuccia State # 1	
Location 1700'S, 800'E, Sec. 32-27-8		County San Juan	State New Mexico
Well Name Pictured Cliff		Pool South Blanco	
Well Depth 5$\frac{1}{2}$	Set At Feet 2800	Tubing Diameter No tubing	Set At Feet
Well Depth 2714	Set At Feet 2762	Total Depth 2820 - c/o 2775	
Flow Through Casing Sand Water Frac		Flow Through Tubing X	

Well Size .750	Days Shut-in 14.1605		
Shut-in Pressure, Casing 710	PSIA 722	Days Shut-in 12	Shut-in Pressure, Tubing No tubing
Flowing Pressure 45	PSIA 57		Working Pressure, Pw PSIG
Temperature 67	.85	Wp. From Tables 1.003	Gravity .640

FORMULA: $Q = C \times R \times F \times F_g \times F_v$

$$Q = 14.1605 \times 57 \times .9933 \times .9682 \times 1.003 = 779 \text{ MCF/D}$$

$$Q = \left(\frac{2.448 \times 10^{-10} \times h \times (P_s^2 - P_w^2)}{T \times L \times \mu \times Z} \right)^{.5}$$

$$\left(\frac{521,284}{518,035} \right)^{.5} (1.0063)^{.85} \times 782 = 1.00535 \times 779$$

$$Q = 783 \text{ MCF/D}$$

K. C. McBride



L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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