

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 17, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 68	
Location 1614'3, 790'W, Sec. 13-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7-5/8	Set At: Feet 3245	Tubing Diameter 1-1/4	Set At: Feet 3100
Pay Zone: From 3060	To 3116	Total Depth 5484 - c/o 5400	
Stimulation Method Sand Water Treac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner - 3203 - 5483	
Shut-In Pressure, Casing, PSIG PC 1091	12 - PSIA 1103	Days Shut-In 10	Shut-in Pressure, Tubing, PSIG PC - 1091	12 - PSIA 1103	
Flowing Pressure, P, PSIG 137	12 - PSIA 149		Working Pressure: Pw, PSIG 141	12 - PSIA 153	
Temperature, T, °F 67			Fpv (From Tables) 1.015	Gravity 0.685	

SIPT (MV) - Initial - 1065 psig; Final - 1065 psig. 2" at 5069. Packer at 3278.
Sleeve at 3184

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 149 \times .9933 \times .9359 \times 1.015 = 1,738 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,216,609}{1,193,200} \right)^n = 1.0196^{.85} \times 1738 = 1.0166 \times 1738$$

$$A_{of} = 1,767 \text{ MCF/D}$$

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OWNED BY

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