

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 13, 1958

Operator El Paso Natural Gas Company		Lease Barron Kidd No. 7	
Location 1650'N, 1180'E, Sec. 21-30-6		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 3569	Tubing: Diameter 2"	Set At: Feet 5735
Perforation From 5280	To 5734	Total Depth 5826	
Stimulation Treatment Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size: Inches 0.75	Choke Diameter: C 12.365	5-1/2" liner. 3537 to 5825
Shut-In Pressure: P _{SI} 1040	PSIG: 1052	Shut-In Pressure: P _{SI} 1037
Flowing Pressure: P _f 311	PSIG: 323	Working Pressure: P _w 753
Temperature: T 69	75	Flow From: T _{in} 1.027
		Gravity 0.621

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = 12.365 \times 323 \times .9915 \times .9837 \times 1.027 \quad 4001 \quad \text{MCF/D}$$

OPEN FLOW $A_{of} = Q \left(\frac{P_1}{P_1 - P_2} \right)^n$

$$A_{of} = \left(\frac{1,106,704}{521,479} \right)^{.75} \times 4001 = 1.7590 \times 4001$$

$$A_{of} = 7038 \quad \text{MCF/D}$$

Jess Goodwin



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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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