

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 15, 1958

Operator: El Paso Natural Gas		Lease Bolack No. 12-C (P)	
Location 820N, 990E, 29-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 4425	Tubing: Diameter 1-1/4	Set At: Feet 2292
Pay Zone: From 2284	To 2306	Total Depth: 4740	Shut-in 4-7-58
Stimulation Method: Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75		Choke Constant, C 1.41605		5-1/2 liner 4357 - 4736	
Shut-in Pressure: Casing, PSIG 840 (PC)	- 12 = PSIA 852	Days Shut-In 38	Shut-in Pressure: Tubing, PSIG 843 (PC)	- 12 = PSIA 855	
Flowing Pressure: P, PSIG 53	- 12 = PSIA 65		Working Pressure: Pw, PSIG 55	- 12 = PSIA 67	
Temperature: T, F 64			Fpv (From Tables) 1.007	Gravity .640	

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

$$Q = 14.1605 \times 65 \times .9962 \times .9682 \times 1.007 \quad \underline{\quad 897 \quad} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{731025}{726536} \right)^n = \frac{(1.0061)^{.85}}{1.00518}$$

$$A_{of} \quad \underline{\quad 902 \quad} \text{ MCF/D}$$

TESTED BY M. W. Rischard

WITNESSED BY _____

Lewis D. Galloway
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