

OPEN FLOW TEST DATA

DATE: December 31, 1957

Operator El Paso Natural Gas Company		San Jacinto No. 2.	
Location 990'N, 990'E, Sec. 20-29-10		State San Juan New Mexico	
Formation Pictured Cliffs		Aztec	
Casing Diameter 5-1/2	Set At Feet 2044	Casing Diameter 1-1/4	Set At Feet 1970
Perforation Depth 1934	1976	2055	
Stimulation Method Sand Water Frac.		X	

Choke Diameter 0.750	Choke Loss 12.365		
Shot Hole Pressure 635	PSIG 647	Flow Rate 16	Flow Rate 635
Flow Rate 236	PSIG 248	Flow Rate 295	Flow Rate 307
Temperature 52	0.85	1.024	0.645

CHOKE VOLUME COEFFICIENT $C = R_1 \times R_2 \times R_3 \times R_4 \times R_5$

$$C = 12.365 \times 248 \times 1.0078 \times .9645 \times 1.024$$

3052

OPEN FLOW $Q_{OF} = \left(\frac{Q_1^2}{P_1^2 - P_w^2} \right)^{1/n}$

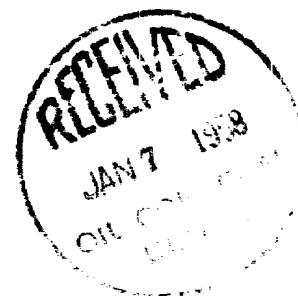
$Q_{OF} = \left(\frac{418,609}{324,360} \right)^{1/n}$

$$1.2905^{.85} \times 3052 = 1.242 \times 3052$$

$Q_{OF} = 3791$

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