

OPEN FLOW TEST DATA

DATE January 17, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit # 65	
Location 1800'N, 1190'E, Sec. 28-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5 1/2	Set At: Feet 2996	Tubing: Diameter 1 1/4	Set At: Feet 2942
Pay Zone: From 2890	To 2950	Total Depth: 2996 - c/o - 2960'	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 14.1605	
Shut-in Pressure, Casing 817	PSIG	PSIA	Days Shut-In 8
Flowing Pressure: P 135	PSIG	PSIA	Shut-in Pressure, Tubing 817
Temperature: T 56	F	F	Working Pressure: P _w 140
			Flow Through Casing 1.013
			Gravity .640

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$
 $Q = 14.1605 \times 147 \times 1.0039 \times .9682 \times 1.013 = 2050$ MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$
 $Aof = \left(\frac{687,241}{664,137} \right)^{.85} (1.0347)^{.85} \times 2050 = 1.0294 \times 2050$

Aof **2110** MCF/D

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WITNESSED BY

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