

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 21, 1957

Operator El Paso Natural Gas		Lease Warren No. 4	
Location 1700'N, 1090'E, Sec. 14-28-9		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5-1/2	Set At: Feet 4922	Tubing: Diameter 1-1/4	Set At: Feet 2473
Pay Zone: From 2454	To 2490	Total Depth: Packer at 2623	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.750	Choke Constant: C 12.365		
Shut-In Pressure, Gas 816	PSIG 12 PSIA 828	Days Shut-In 7	Shut-In Pressure, Tubing 816
Flowing Pressure, P 233	PSIG 12 PSIA 245		Working Pressure: Pw 239
Temperature: T 66	F in .850		Spv (From Tables) 1.022
			Gravity 640

Final SIPT (MV) - 1050 psig

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

$Q = 12.365 \times 245 \times .9943 \times .9682 \times 1.022$ 2981 MCF/D

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

$Acf = \left(\frac{685,584}{622,583} \right)^n \cdot 1.1011^{.85} \times 2981 = 1.0853 \times 2981$

Acf 3,235 MCF/D

TESTED BY T. B. Grant

WITNESSED BY
cc: E. J. Coel, Jr. (6)

L. D. Galloway



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Conclusion

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