

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 23, 1956

Operator El Paso Natural Gas Company		Lease Lindrith #11	
Location 1650'N, 890'W, Sec. 9-24-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 5 1/2"	Set At: Feet 3320	Tubing: Diameter 2"	Set At: Feet 3238
Pay Zone: From 3284	To 3294	Total Depth: 3320 c/o 3305	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 918	PSIG - 12 - PSIA 930	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 918
Flowing Pressure: P, PSIG 256	PSIG - 12 - PSIA 268		Working Pressure: Pw, PSIG 490
Temperature, T, F 59	F - 32 - F 0.850		Fpv (From Tables) 1.030
			Gravity 680

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

$Q = 14.1605 \times 268 \times 1.001 \times .9393 \times 1.030 = 3675$ MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_{wf}^2} \right)^n$

$Aof = \left(\frac{864,900 - 612,896}{864,900 - 612,896} \right)^n$

$1.4111^{.85} \times 3675 = 1.340 \times 3675$

$Aof = 4925$ MCF/D

TESTED BY **Tom Grant**

WITNESSED BY



L. D. Galloway
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