

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 9, 1956

Operator El Paso Natural Gas Company		Lease Lindrith Unit # 8	
Location 1700'N, 990'W, Sec. 15-24-3		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5 1/2	Set At: Feet 3253	Tubing: Diameter 2"	Set At: Feet 3140
Flow Zone: From 3172	To 3216	Total Depth: 3253 - c/o - 3230	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 3/4		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1030	- 12 - PSIA 1042	Days Shut-in 22	Shut-In Pressure, Tubing PSIG 1030
Flowing Pressure, Casing, PSIG 771	- 12 - PSIA 783	Working Pressure: Pw PSIG 827	- 12 - PSIA 839
Temperature, F 67	Fv 0.85	Fpv (From Tables) 1.091	Gravity 0.670 (est)

CHOKE VOLUME: $Q = C \times P_r \times F_1 \times F_2 \times F_{pv}$

Q **14.1605 x 783 x .9933 x .9463 x 1.091** **11,370** MCF/D

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

$Aof = \left(\frac{1,085,764}{381,843} \right)^n (2.8435)^{.85} Q (2.4262)$

Aof **27,586** MCF/D

D. C. Adams and T. B. Grant

There was a small amount of icing in the choke on this well.



L. D. Galloway
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