

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 9, 1956

Operator El Paso Natural Gas Company		Lease Lindrith Unit # 6	
Location 1090'N, 1550'E, Sec. 14-T24N-R3W		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5 1/2	Set At: Feet 3170	Tubing: Diameter 1 1/4	Set At: Feet 3130
Pay Zone: From 3082	To 3130	Total Depth: 3170 - c/o to 3145	
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 25	Shut-in Pressure: Tubing, PSIG 1030
Flowing Pressure: P, PSIG 129	- 12 - PSIA 141		Working Pressure: P _w , PSIG 135
Temperature: T, °F 62			Gravity 0.670 est.
			F _{pv} (From Tables) 1.013

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$ $Q = 14.1605 \times 141 \times .9981 \times .9463 \times 1.013$ 1910 MCF/D

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

$$Aof = \left(\frac{1,085,764}{1,064,155} \right)^n (1.0203)^{.85} Q = 1.0172$$

Aof 1943 MCF/D

D. C. Adams and T. B. Grant

L. D. Galloway

OIL CONSERVATION COMMISSION

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