

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

Test After Workover

DATE August 8, 1958

Operator El Paso Natural Gas		Cypress Davis No. 1	
Location 11908, 1800E; 11-25-2		State Rio Arriba New Mexico	
Formation Pictured Cliffs		Cavilan PC	
Drill Pipe Diameter 5-1/2	Set At Feet 3479	Drill Pipe Diameter 2" to 3409 plus 1-1/4" from 3409 to 3539	Set At Feet 3570 c/o 3560
Flowing Pressure 3494	Pressure 3540	Shut-in 7/23/58	
Fracturing Material Sand Water Frac.		Flow Through Tubing X	

Drill Pipe Weight .75	Drill Pipe Constant 12.365	4-1/2" drill pipe liner 3458 -- 3569	
Drill Pipe Pressure, P _{dp} 897	Drill Pipe Pressure, P _{dp} 909	Drill Pipe Pressure, P _{dp} 839	Drill Pipe Pressure, P _{dp} 851
Flowing Pressure, P _w 135	Flowing Pressure, P _w 147	Flowing Pressure, P _w 168	Flowing Pressure, P _w 180
Temperature, T 57	Temperature, T .85	Temperature, T 1.015	Temperature, T .680

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$C = 12.365 \times 147 \times 1.0029 \times .9393 \times 1.015$ **1738** MCF/D

$$Q = \left(\frac{P_1^2 - P_2^2}{P_1 + P_2} \right)^n$$

$$\left(\frac{826281}{793881} \right)^n$$

$$1.0408^{.85} \times 1738 = 1.0346 \times 1738$$

Adf **1798** MCF/D

Frank M. Clark

Checked By H. L. Kendrick

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