

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE SEP 15 1965

Operator <u>El Paso Natural Gas Company</u>		Lessee <u>El Paso Natural Gas Co.</u>	
Location <u>40 mi. N. of Amarillo, P.O. Box 20, T-27-N</u>		County <u>San Joaquin</u>	State <u>N.M.</u>
Well No. <u>20</u>		Flowing Pressure <u>11.3</u>	
Completion <u>1-1-65</u>	Flowing Rate <u>11.3</u>	Flowing Pressure <u>11.3</u>	Flowing Rate <u>11.3</u>
Pay Zone From <u>0.00</u>	To <u>6.00</u>	Shut In <u>9-7-65</u>	
Stimulation Material <u>None</u>		Flow Through Casing <u>11.3</u>	Flow Through Tubing <u>11.3</u>
Choke Size, inches <u>1.00</u>		Choke Constant <u>0.00</u>	
Surface Pressure <u>11.3</u>	Well Head Pressure <u>11.3</u>	Well Head Pressure <u>11.3</u>	Well Head Pressure <u>11.3</u>
Flowing Pressure <u>11.3</u>	Flowing Pressure <u>11.3</u>	Flowing Pressure <u>11.3</u>	Flowing Pressure <u>11.3</u>
Temperature <u>11.3</u>	Temperature <u>11.3</u>	Temperature <u>11.3</u>	Temperature <u>11.3</u>

CHOKE VOLUME = $Q = C \times P_1 \times P_2 \times P_3 \times P_4 \times P_5$

$$Q = 11.365 \times 11.3 \times 11.3 \times 11.3 \times 11.3 \times 11.3 = 21.3 \text{ MCF/D}$$

OPEN FLOW = $AOF = C \times \left(\frac{P_e - P_w}{P_e} \right)^n$

$$AOF = \left(\frac{11.365 \times 11.3}{11.365 \times 11.3} \right)^n = (11.365 \times 11.3)^{1.75} = (11.365 \times 11.3)^{1.75} =$$

NOTE: Flow heavy top of water and light hydrocarbons. No gas entire test.

$$AOF = 21.3 \text{ MCF/D}$$

TESTED BY El Paso Natural Gas Company
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Louis D. Callaway