

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 3, 1969

Operator <u>El Paso Natural Gas Co.</u>		Lease <u>Canyon Largo Unit No. 143</u>	
Location <u>1130 N, 900 W- S11- T25N- R6W</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Chimera</u>		Pool <u>Otero</u>	
Casing: Diameter <u>2.375</u>	Set At: Feet <u>3895</u>	Tubing: Diameter <u>no tubing</u>	Set At: Feet
Pay Zone: From <u>3700</u>	To <u>3842</u>	Total Depth: <u>3895</u>	Shut In <u>10-22-69</u>
Stimulation Method <u>S W P</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		tubingless completion	
Shut-In Pressure, Casing, PSIG <u>916</u>	+ 12 = PSIA <u>928</u>	Days Shut-In <u>11</u>	Shut-In Pressure, Tubing PSIG <u>no tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>61</u>	+ 12 = PSIA <u>73</u>		Working Pressure: P _w PSIG <u>Case.</u>	+ 12 = PSIA <u>117</u>	
Temperature: T = <u>92</u> °F	F _t = <u>1.0010</u>	n = <u>.85</u>	F _p (From Tables) <u>1.000</u>	Gravity <u>.650</u>	F _g = <u>.9608</u>

$$\text{CHOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365 \times 89 \times 1.0010 \times .9608 \times 1.000 = 1063 \text{ MCF/D}$$

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

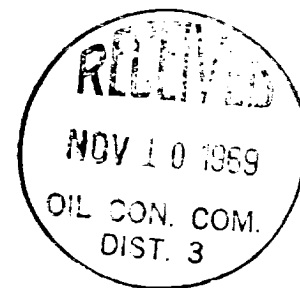
Note: Blew light mist of water and distillate throughout test.

$$Aof = \left(\frac{861134}{847569} \right)^n = (1.0160)^{.85} 1063 = 1.0136 \times 1063$$

$$Aof = 1083 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____



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