

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. 148</u>	
Location <u>1130 N, 900 W- S11- T25N- R6W</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Chacra</u>		Pool <u>Otero</u>	
Casing: Diameter <u>2.375</u>	Set At: Feet <u>3825</u>	Tubing: Diameter <u>no tubing</u>	Set At: Feet
Pay Zone: From <u>3738</u>	To <u>3842</u>	Total Depth: <u>3895</u>	Shut In <u>10-23-69</u>
Stimulation Method <u>S W F</u>		Flow Through Casing <u>XXX</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		<u>tubingless completion</u>	
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>67</u>	+ 12 = PSIA <u>89</u>		Working Pressure: P _w PSIG <u>Calc.</u>	+ 12 = PSIA <u>117</u>	
Temperature: T = <u>59</u> °F	n = <u>.75</u>		F _{pv} (From Tables) <u>1.009</u>	Gravity <u>.650</u>	F _g = <u>.9608</u>
Fr = <u>1.0010</u>					

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 89 \times 1.0010 \times .9608 \times 1.009 = \underline{1066} \text{ MCF/D}$$

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

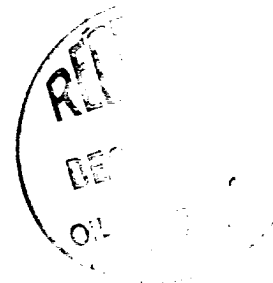
Note: Blew light mist of water and
distillate throughout test.
Corrected copy.

$$Aof = \left(\frac{861184}{847569} \right)^n = (1.0160)^{.75} 1068 = 1.0120 \times 1068$$

$$Aof = \underline{1081} \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____



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