

OPEN FLOW TEST DATA

DATE 2-23-60

Operator <u>Consolidated Oil & Gas, Inc.</u>		Lease <u>Ripley</u>	
Location <u>SE SW Sec. 26 32N-13W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Mesa Verde</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>7"</u>	Set At: Feet <u>4899</u>	Tubing: Diameter <u>1 1/4</u>	Set At: Feet <u>4638'</u>
Pay Zone: From <u>4605</u>	To <u>4847</u>	Total Depth: <u>4865</u>	
Stimulation Method <u>Sand-water frac</u>		Flow Through Casing <u>X</u>	Flow Through Tubing

Choke Size, Inches <u>3/4"</u>		Choke Constant: C <u>12,365</u>			
Shut-In Pressure, Casing, PSIG <u>1119</u>	+ 12 = PSIA <u>1131</u>	Days Shut-In <u>11</u>	Shut-In Pressure, Tubing PSIG <u>1119</u>	+ 12 = PSIA <u>1131</u>	
Flowing Pressure: P PSIG <u>123</u>	- 12 = PSIA <u>135</u>		Working Pressure: Pw PSIG <u>119</u>	+ 12 = PSIA <u>131</u>	
Temperature: T °F <u>44</u>	n = <u>.75</u>		Fpv (From Tables) <u>1.013</u>	Gravity <u>0.650</u>	

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = 12,365 \times 135 \times 1.058 \times .9603 \times 1.013 = \underline{1650} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{(1131)^2}{(1131)^2 - (131)^2} \right)^n =$$

$$Aof = \underline{1670} \text{ MCF/D}$$

TESTED BY Phillips

WITNESSED BY Tenison

