

OPEN FLOW TEST DATA

DATE June 11, 1960

Operator Consolidated Oil & Gas, Inc.		Lease Southern Union Government No. 2-19	
Location 800' F/NL 990' F/EL 19 - 31N - 12W		County San Juan	State New Mexico
Formation Dakota		Pool West Blanco Dakota	
Casing: Diameter 5-1/2"	Set At: Feet 6979	Tubing: Diameter 1-1/4"	Set At: Feet 6812
Pay Zone: From 6872	To 6956	Total Depth: 6980	
Stimulation Method Sand-Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4		Choke Constant: C 12.3650			
Shut-In Pressure, Casing, PSIG 1995	+ 12 = PSIA 2007	Days Shut-In	Shut-In Pressure, Tubing PSIG 1995	+ 12 = PSIA 2007	
Flowing Pressure: P PSIG 194	- 12 = PSIA 206		Working Pressure: P _w PSIG 1464	+ 12 = PSIA 1476	
Temperature: T °F 64	n = .75		Fpv (From Tables) 1.024	Gravity .70	

$$\text{CHOKE VOLUME} = Q = \frac{C}{12.3650} \times \frac{P_c}{206} \times \frac{F}{.9962} \times \frac{F_v}{.9258} \times \frac{F_g}{1.024}$$

Q =

$$= \frac{2410}{\text{MCF/D}}$$

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

$$A_{of} = \left(\frac{4028049}{1884753} \right)^n$$

$$2.13776^n = 1.768$$

$$A_{of} = \frac{4265}{\text{MCF/D}}$$

TESTED BY Phillips

WITNESSED BY _____

[Handwritten Signature]