

OPEN FLOW TEST DATA

DATE August 26, 1961

Operator Consolidated Oil & Gas, Inc.		Lease Price No. 1-15	
Location 895' FSL 1470' FWL, Sec. 15-31N-13W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 5 1/2"	Set At: Feet 6674'	Tubing: Diameter 1 1/2 IJ	Set At: Feet 6491'
Pay Zone: From 6541'	To 6623'	Total Depth: 6645' PB	
Stimulation Method Sand water frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG MV	- 12 = PSIA	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1919
Flowing Pressure: P PSIG 170	- 12 = PSIA	Working Pressure: Pw PSIG	+ 12 = PSIA 1931
Temperature: T °F 50	n = 0.75	Fpv (From Tables) 1.023	Gravity 0.70

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

$$Q = 14.1605 \times 182 \times 1.0098 \times .9258 \times 1.023 = 2460 \text{ MCF/D}$$

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

$$Aof = \left(\frac{\quad}{\quad} \right)^n =$$

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

TESTED BY Sanger

WITNESSED BY _____

George E. Farnham