

OPEN FLOW TEST DATA

DATE August 27, 1960

Operator CONSOLIDATED OIL & GAS, INC.		Lease GOVERNMENT JACKSON	
Location 1750' F/N & EL Sec. 18, T31N-R12W		County San Jaan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2"	Set At: Feet 6912	Tubing: Diameter 1-1/4" EUE	Set At: Feet 6710
Pay Zone: From 6762	To 6866	Total Depth: 6872 PB	
Stimulation Method Sand-Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4"		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 1823	+ 12 = PSIA 1835	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1819	+ 12 = PSIA 1831	
Flowing Pressure: P PSIG 184	+ 12 = PSIA 196		Working Pressure: P _w PSIG 1323	+ 12 = PSIA 1335	
Temperature: T °F 62	n = .75		F _{pv} (From Tables) 1.022	Gravity 0.700	

$$\text{CHOKE VOLUME} = Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

$$Q = 14.1605 \times 196 \times .9981 \times .9258 \times 1.022 = \underline{\quad 2620 \quad} \text{MCF/D}$$

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

$$Aof = \left(\frac{3367225}{1616896} \right)^n =$$

$$Aof = \underline{\quad 3610 \quad} \text{MCF/D}$$

TESTED BY Robert B. Tenison

WITNESSED BY Leo Case

Leo Case