

OPEN FLOW TEST DATA

DATE April 16, 1960

Operator CONSOLIDATED OIL & GAS, INC.		Lease PAYNE NO. 3 - 26	
Location 1650' F/SL and 840' F/WL Sec. 26, T31N-13W		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5 1/2"	Set At: Feet 6757	Tubing: Diameter 1 1/2"	Set At: Feet 6532
Pay Zone: From 6540	To 6618	Total Depth: 6648 PB	
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, 2013	PSIG	+ 12 = PSIA 2025	Days Shut-In 7	Shut-In Pressure, Tubing 2013	PSIG	+ 12 = PSIA 2025
Flowing Pressure: P 101	PSIG	+ 12 = PSIA 113		Working Pressure: Pw 775	PSIG	+ 12 = PSIA 787
Temperature: T 52	°F	n = .75		Fpv (From Tables) 1.015	Gravity .70	

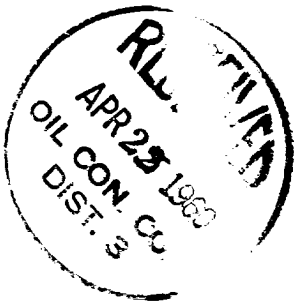
CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

Q = 12,365 x 113 x 1.0078 x .9258 x 1.015 = 1320 MCF/D

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

Aof = Q $\left(\frac{1,1779}{} \right)^n = 1492$

Aof = 1492 MCF/D



TESTED BY Robert B. Tenison

