

OPEN FLOW TEST DATA

DATE June 27, 1975

Operator Consolidated Oil & Gas, Inc.		Lease Staver-Navajo	
Location 560' FSL & 1980' FEL, Sec. 34-27N-18W		County San Juan	State New Mexico
Formation Mississippi		Pool	
Casing: Diameter 3-1/2" liner	Set At: Feet 6573-6904	Tubing: Diameter 2-3/8	Set At: Feet 6561
Pay Zone: From 6796	To 6816	Total Depth: 6910	Shut In 6/20/75
Stimulation Method Acid		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4	Choke Constant: C 11	Tested thru 3/4" positive choke	
Shut-In Pressure, Casing, PSIG Packer	+ 12 = PSIA Packer	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2842
Flowing Pressure: P 273	+ 12 = PSIA 285	Working Pressure: Pw 659	+ 12 = PSIA 671
Temperature: T = 83 °F	n = .85	Fpv (From Tables) 1.002	Gravity .928 Fg = 1.038

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

$$Q = 11 \times 285 \times .9786 \times 1.038 \times 1.002 = 3191 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{8145316}{7695075} \right)^n = 3191 (1.0585)^{.85} = 3191 (1.0495)$$

$$Aof = 3349 \text{ MCF/D}$$

TESTED BY Leo Case, Veryl Moore

WITNESSED BY

Floyd E. Ellison Jr.

