

OPEN FLOW TEST DATA

DATE July 22, 1963

Operator J. Glenn Turner		Houck No. 1	
Location 790'S, 840'E, Sec. 11-29-10		County San Juan	State New Mexico
Formation Dakota		Basin	
Casing Diameter 5.500	Set At Feet 6840	Tubing Diameter 2.375	Set At Feet 6591
Flow Zone From 6591	To 6696	Test Depth P.B. 6810	Start In 7-14-63
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	Days Shut-in 8	Shut-in Pressure, Tubing 2068	PSIG 2080	PSIA 2080
Shut-in Pressure, Casing 2069	PSIG 2081	Flowing Pressure, P 246	PSIG 258	Working Pressure, P _w 735	PSIG 747
Temperature 80	Grav .9813	Viscosity 0.750	Flow From Tables 1.022	Gravity .660	Grav .9535

CHOKED FLOW $Q = C \times R \times \sqrt{P_1 - P_2} \times F_g \times F_v$

$$Q = (12.365)(258)(.9813)(.9535)(1.022)$$

3051 MCF/D

OPEN FLOW $Acf = Q \left(\frac{P_1}{P_2} \right)^n$

$$Acf = \left(\frac{4,330,561}{3,772,552} \right)^n (1.1479)^{.75} (3051) = (1.1089)(3051)$$

Acf 3383 MCF/D



NOTE: Blew Dry Gas.

REPORTED BY T. B. Grant (EPNG)

WITNESSED BY George Naron (J. Glenn Turner)

Checked by W. D. Dawson

Lewis D. Galloway
Lewis D. Galloway