

OPEN FLOW TEST DATA

Date: 6/22/56
 Operator: Magellan Petroleum Co Lease: Stoville #1
 Location: EX/A 22-27N-32E County: Big Horn State: Wyo.
 Formation: Richmond Shale Pool: Wildcat
 Casing: _____" Set @ _____' Tubing: _____" Set @ _____'
 Pay Zone: _____' To: _____' Total Depth: _____'
 Choke Size: .750" Choke Constant = C = 12.5400
 Stimulation Method: Water-Flood Flow Through: Casing _____ Tubing _____
 Shut-In Pressure Casing: 1070 psig / 12 = 1070 psia (Shut-in 7 days)
 Shut-In Pressure Tubing: 1761 HV psig / 12 = 1070 psia
 Flowing Pressure: P : 97 psig / 12 = 69 psia
 Working Pressure: P_w : 326 psig / 12 = 320 psia
 Temperature: T : 60° °F / 460 = 320 ° Absolute
 F_{pv} (from tables) : _____ Gravity .640 n .86

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$= \underline{\quad 812 \quad} \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = \left[\frac{1070^2}{1070^2 - 97^2} \right]^n = 812 \left(\frac{1140}{1120 - 90} \right) = 812 \text{ 1.001}$$

$$Aof = \underline{\quad 812 \quad} \text{ MCF/D}$$



Tested By: W. J. McConathy
 Witnessed By: _____

FB Build-up to 350 psig in 30 min after test. Saw slight spray of water during test

W. J. McConathy
Agent, Conductor, etc.

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