

OPEN FLOW TEST DATA

Date: 11/3/68
 Operator: Dyna Ray Oil & Gas Company Lease: Jicarilla N # 3
 Location: SW 1/4 Sec. 22 Twp. 23N Rge 2W County: Sandoval State: N.M.
 Formation: PC Pool: South Blane
 Casing: 4 1/2 " Set @ 3100 ' Tubing: 1 1/4 " Set @ 3025
 Pay Zone: 3028 ' To: 3048 ' Total Depth: 3105
 Choke Size: 3/4 The " Choke Constant = C = 12.265
 Stimulation Method: Sand Water Free Flow Through: Casing X Tubing
 Shut-in Pressure Casing: 902 psig / 12 = 914 psia (Shut-in 7 days)
 Shut-in Pressure Tubing: 902 psig / 12 = 914 psia
 Flowing Pressure: P : 107 psig / 12 = 119 psia
 Working Pressure: P_w : _____ psig / 12 = _____ psia
 Temperature: T : 42 °F / 460 = 508 °Absolute
 F_{pv} (from tables) : 1.011 Gravity Wt. 620 n 25

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

$$12.265 \times 119 \times 1.0117 \times .937 \times 1.011 = \underline{1695} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \frac{\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n}{\frac{751.689}{737.528}} = 1.0162$$

Aof = 1722 MCF/D

Tested By: _____

Witnessed By: _____

Donald Burton



