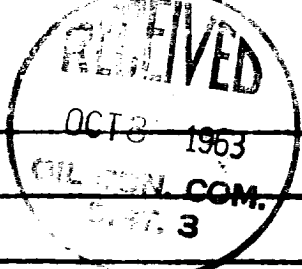


OPEN FLOW TEST DATA



Operator: SHAR ALAN Date: 10/2/63 B.K. 53
 Location: SW 34 - 24N - EW Lease: Burly Elm. #1
 Formation: P G County: RA State: N.M.
 Pool: UNDERMAN
 Casing: 4 1/2 " Set ● Tubing: 1 1/2 " Set ● 3039
 Pay Zone: _____ To: _____ Total Depth: _____
 Choke Size: 3/4 THQ Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-in Pressure Casing: 863 psig / 12 = 875 psia (Shut-in 0 days)
 Shut-in Pressure Tubing: 860 psig / 12 = 872 psia
 Flowing Pressure: P : 111 psig / 12 = 123 psia
 Working Pressure: P_w : 116 psig / 12 = 128 psia
 Temperature: T : 42 °F / 460 = 502 °Absolute
 F_{pv} (from tables) : 1.012 Gravity Est. 610 n 0.85

Choke Volume = Q = C x P_c² x F_t x F_g x F_{pv}
 12.365 x 123 x 1.0178 x .9918 x 1.012
 Q = _____ = 1554 MCF/D

Open Flow - Aof = Q

$$Aof = \frac{\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n}{\frac{765,625}{749,241}} = 1.0219 = 1.0185$$

 Aof = 1583 MCF/D

Tested By: _____
 Witnessed By: _____

GEOMETRIC INC.

