

## 5.6 Testing Wells for Yield

→ Yield  
drawdown } Selecting pump type  
discharge – drawdown ratio to estimate specific capacity  
of the well

## 5.7 pumping equipment

pump ty,u & size = pumping capacity  
well diameter and depth  
depth and variability of pumping  
level straightness of the well  
sand pumping  
total pumping head  
duration of pumping  
type of power available  
costs.

Table 5.7

Total pumping head = drawdown + static head + Friction lore

Pumps for shallow wells    head <7 m,  $Q < 500 \text{ m}^3/\text{day}$   
Hand – operated pitcher pump  
turbine pump  
 $Q > 500 \text{ m}^3/\text{day}$  centrifugal

Pump for deep wells    bush lift , large capacity turbine +  
submersible

## 5.8 Protection of wells

Sanitary Protection  
abandonment

## 5.9 Well Rehabilitation Table 5.9.1

Assignment Pumping System Design