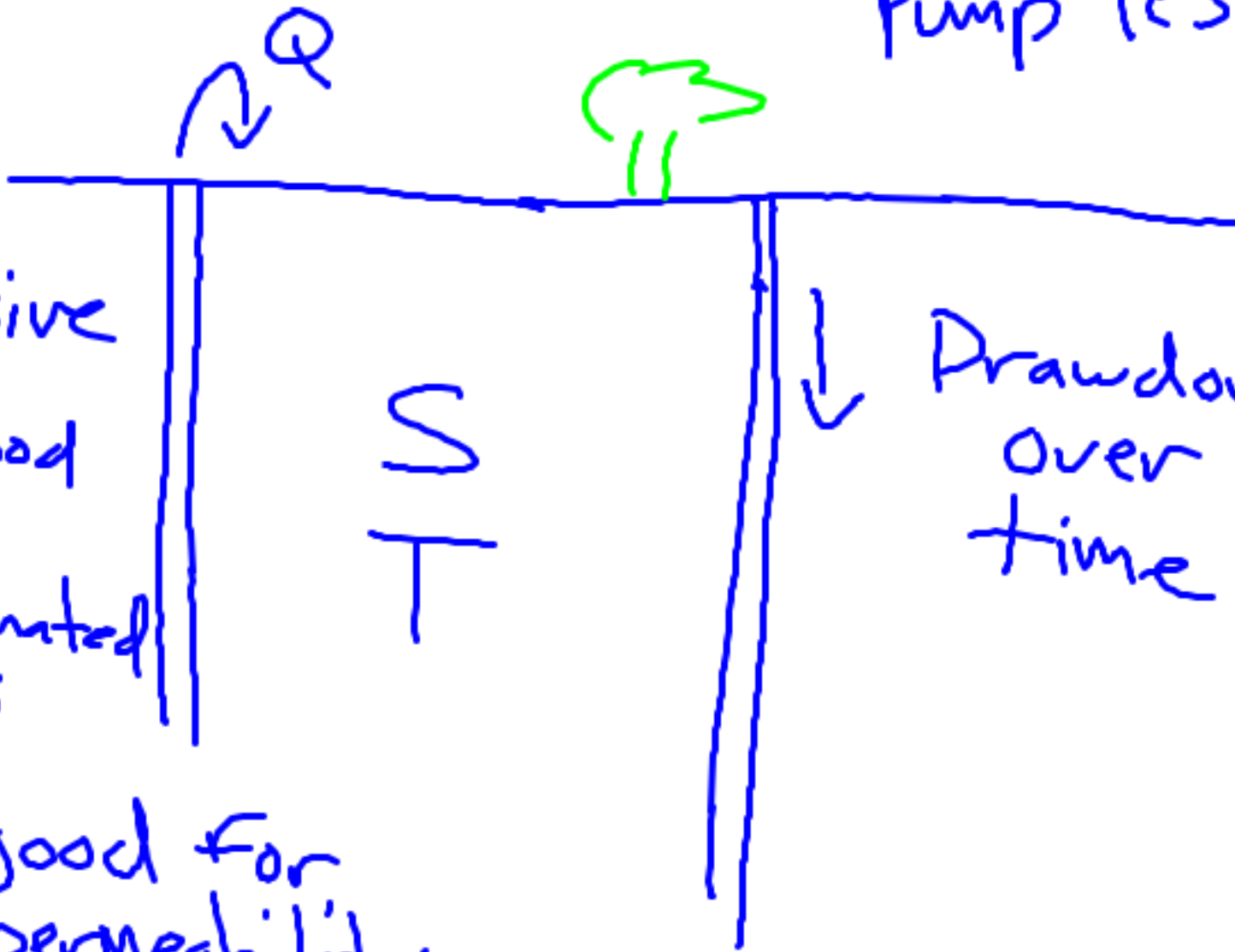


Pump Test



- Expensive

- Not good for
contaminated
aquifers

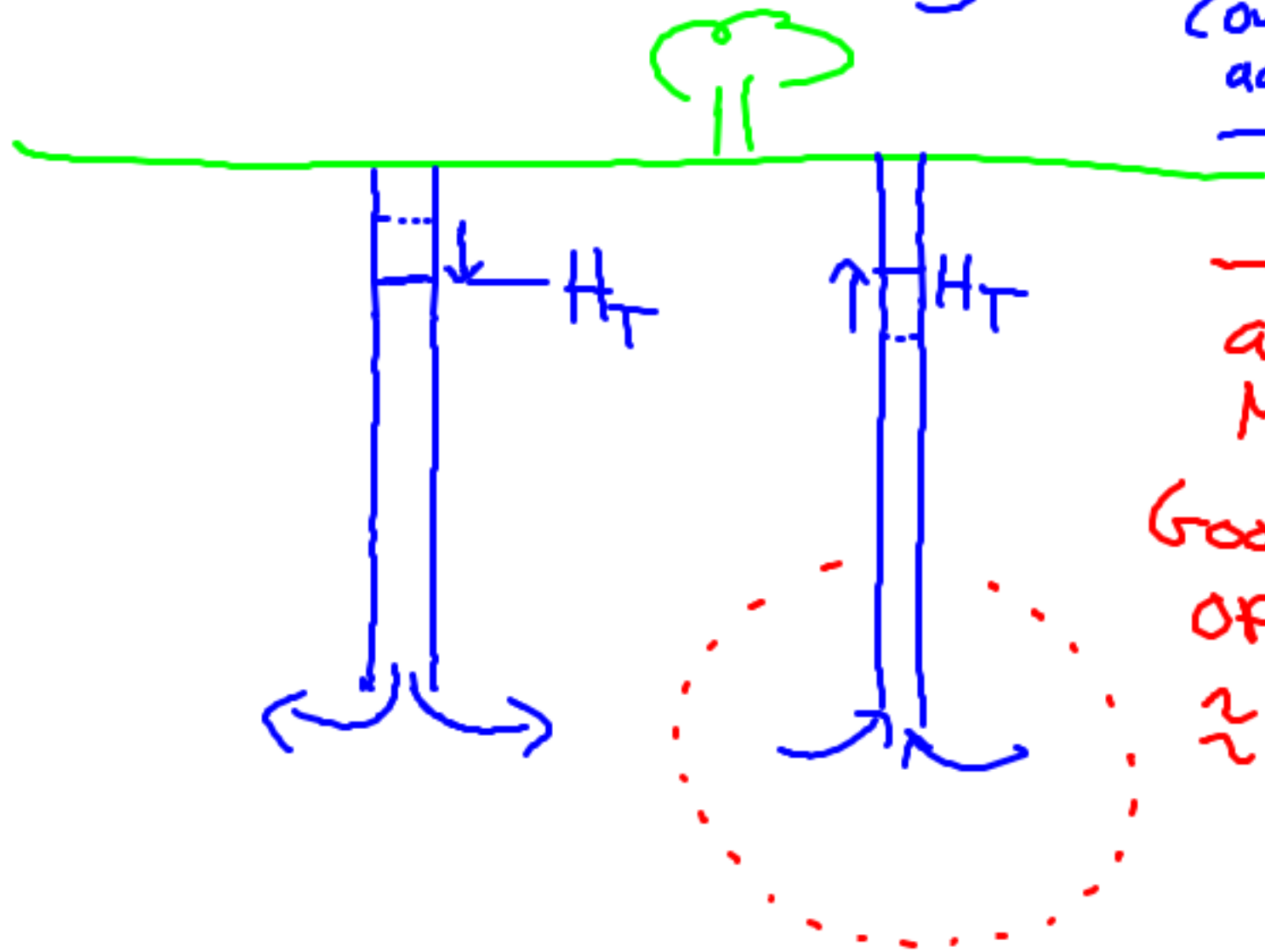
- Not good for
low permeability

Slug or Baildown Test

- Need one monitoring well

- Cheap

- use in contaminated aquifers
- NO disposal



- less accuracy,
More limited

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Slug Test Math

$$\frac{H_+}{H_0} = F(n, u)$$

$$n = \frac{T \cdot t}{r_c^2}$$

$$u = \frac{r_s^2 \cdot S}{r_c^2}$$

r = Well radius

r_s = Screened

r_c = Cased

$$T = \frac{n \cdot r_c^2}{t}$$

$$S = \frac{r_c^2 \cdot \mu}{r_s^2}$$