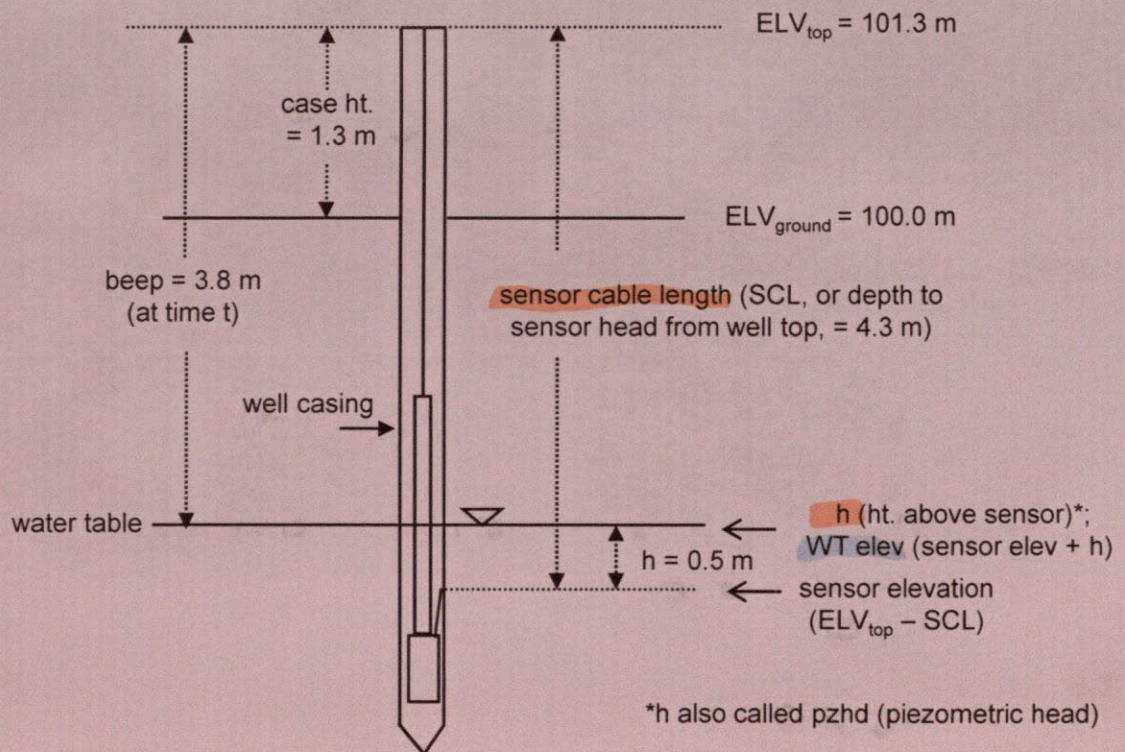


WELL HEAD CALCULATIONS/EXAMPLES



1. ELV_{top} known (well case height surveyed)

a. via pressure transducer (automated): well head = ELV_{top} - SCL + h (@ time t)
 = 101.3 m - 4.3 m + 0.5 m
 = 97.5 m

b. via water level beeper (manual): well head = ELV_{top} - beep (@ time t)
 = 101.3 m - 3.8 m
 = 97.5 m

2. ELV_{top} unknown (not surveyed)

a. via pressure transducer (automated): h = value recorded by sensor @ time t
 (e.g. 0.5 m)

b. via water level beeper (manual) h = SCL - beep (@ time t)
 = 4.3 m - 3.8 m
 = 0.5 m