

INSTRUCTIONS

Data pages for *Step Drawdown* Aquifer Test

General Instructions

1. Each well (pumping or observation) has its own unique sequence of data pages.
2. Record all information *in permanent ink*
3. *Do not obliterate any questionable information.* To delete information, such as a value you regard as erroneous, draw a very clean single line through the value and write the new value or information in the same box or nearby.

Specific Instruction

1. **Unit definitions:** l, litre; m, metre; min, minute; s, second
2. **Measuring point description** Brief description, such as “top of casing” or “white paint on casing.” *Here and elsewhere, depths below datum are without sign or are negative (-), above datum are positive (+)*
3. **Persons measuring** Record last name and first 2 initials of those recording data at this observation well
4. **Page _____ of _____ pages** Record sequential page numbers as pages are completed; then add the total pages at test completion
5. **Date** It is sufficient to record the date at the start of the test and with the start of each new day’s date
6. **Clock time** Record the real time, as you see on your watch during the test at each measurement time
7. **Time into test**
 - 7.1. Record as minutes unless you label as seconds, such as within the first few minutes of the test where measurements may be in seconds. Where you record seconds, write the values in seconds (label with “s”) in the upper half of the box and later convert to minutes in the lower half of the box.
 - 7.2. Examples
 - 7.2.1. “-10” indicates a measurement at 10 minutes before the pump is scheduled to be turned on, may be used to establish Initial depth to water.
 - 7.2.2. “0” is the moment the pump is turned on
 - 7.2.3. “10” is ten minutes after the pump was turned on.
 - 7.3. **Pumping** Times recorded while the pump is pumping
 - 7.4. **Recovery** Times recorded after the pump was turned off; “0” minutes at the moment the pump is turned off
8. **Uncorrected drawdown** Determined from the following calculation: Depth to water - Initial depth to water.
9. **Drawdown correction** Any and all corrections to test drawdown data, such as corrections for antecedent trends during test duration in which water levels have risen or dropped, regardless of the test occurring.
10. **Corrected drawdown** Drawdown to be plotted for analysis, after corrections for antecedent trends, barometric efficiency, etc. Corrected drawdown = Uncorrected drawdown – Drawdown correction
11. **Pumping rate** Complete this column only for the pumping well data form
12. **Person measuring** Initials of person(s) making each measurement; record for every measurement or use ditto marks to indicate successive measurements by the same person(s).
13. **Comments** Record any information that may later explain an anomalous measurement, such as “pump stopped,” “odd, will remeasure,” or “train passed.”