

# Well-Pump Flow and Pressure Log

This printable worksheet records an installed pump-system output screen. It is not an official inspection, laboratory report, code document, or safe-yield certification.

## Before the test

| Field                                                      | Record                             |
|------------------------------------------------------------|------------------------------------|
| Test date and time                                         |                                    |
| Property or system identifier                              |                                    |
| Observer                                                   |                                    |
| Test outlet and location                                   |                                    |
| Gauge location                                             |                                    |
| Outlet before or after treatment                           |                                    |
| Pump type/model, if known                                  |                                    |
| Tank model/nominal size, if known                          |                                    |
| Pressure-switch settings, if known from safe documentation | Cut-in: ____ psi Cut-out: ____ psi |
| Gauge range                                                |                                    |
| Treatment equipment in service                             |                                    |
| Household demand during test                               | Off / listed below: _____          |
| Weather, drought, or recent symptom note                   |                                    |

Safety gate

Use only a normal, accessible spigot or outlet that can be operated without tools. Keep water away from electrical equipment and walking paths. Do not open a well, well cap, control box, or pressure-switch cover. Do not test live wiring, change pressure-switch or air-charge settings, loosen pressurized fittings, insert a water-level device, pull a pump, enter a pit or confined space, or close a valve to create pressure. If the test requires any of those actions, stop and call a qualified local well/pump professional.

Repeat flow-and-pressure readings

Formula: GPM = (known gallons ÷ elapsed seconds) ×60

| Run | Known gallons | Seconds | Pressure at start | Pressure at end | GPM | Pump state observed | Notes: air, sand, cloudiness, sound, cycling |
|-----|---------------|---------|-------------------|-----------------|-----|---------------------|----------------------------------------------|
| 1   |               |         |                   |                 |     |                     |                                              |
| 2   |               |         |                   |                 |     |                     |                                              |
| 3   |               |         |                   |                 |     |                     |                                              |
| 4   |               |         |                   |                 |     |                     |                                              |
| 5   |               |         |                   |                 |     |                     |                                              |

Calculation check

Run used for screening: \_\_\_\_\_

Calculation: ( \_\_\_\_\_ gallons ÷ \_\_\_\_\_ seconds) ×60 = \_\_\_\_\_ GPM

Comparable-run range: \_\_\_\_\_ to \_\_\_\_\_ GPM

Median of comparable runs, if readings and pressure were similar: \_\_\_\_\_ GPM

If readings are not comparable, write range only and explain why: \_\_\_\_\_

\_\_\_\_\_

Demand and treatment comparison

| Question                                            | Evidence or exact requirement | Source/model/date checked |
|-----------------------------------------------------|-------------------------------|---------------------------|
| Household peak-demand scenario                      |                               |                           |
| Treatment unit 1: service flow                      |                               |                           |
| Treatment unit 1: minimum pressure                  |                               |                           |
| Treatment unit 1: backwash/regeneration flow        |                               |                           |
| Treatment unit 2: service flow                      |                               |                           |
| Treatment unit 2: minimum pressure                  |                               |                           |
| Treatment unit 2: backwash/regeneration flow        |                               |                           |
| Existing filter/treatment pressure drop             |                               |                           |
| Drain, electrical, or other installation constraint |                               |                           |

Decision label

- Circle one only after the rows above are complete:
- Supportable at this test condition: repeat readings meet the exact published flow and pressure requirements, and downstream loss and backwash conditions are accounted for.
  - Not demonstrated: a model requirement, pressure condition, pressure drop, backwash condition, or downstream path is missing.
  - Professional review required: flow is unstable, pressure collapses, the pump runs abnormally, low-water signs appear, or the source/yield question remains.

### Limits and handoff

This record documents installed output at a stated location and condition. It does not establish sustainable well yield, drawdown, water level, pump condition, electrical safety, or performance at another outlet unless those were separately evaluated.

Bring this log, pump and tank records, water-test results, treatment model documents, and recent symptom history to the qualified professional.

Professional questions or next action: \_\_\_\_\_

Professional name/company and date, if used: \_\_\_\_\_

The measurement principles in this worksheet are adapted for homeowner documentation from the Water Quality Association residential-treatment design article (<https://wqa.org/wp-content/uploads/2025/03/Article-2-Residential-Water-Treatment-Design-w-tables-2025.pdf>), the University of Florida IFAS pump-capacity publication (<https://ask.ifas.ufl.edu/publication/AE067>), and the source-limit guidance of Penn State Extension (<https://extension.psu.edu/using-low-yielding-wells>), the Connecticut Department of Public Health ([https://portal.ct.gov/dph/-/media/departments-and-agencies/dph/dph/environmental\\_health/private\\_wells/28privatewellguidancefordeterminingwellsafetyieldpdf.pdf?hash=002EC717EB075442072922C7F6AC95C4&rev=b07c25d4dc3c4e879a8b6ef4ad9c002d](https://portal.ct.gov/dph/-/media/departments-and-agencies/dph/dph/environmental_health/private_wells/28privatewellguidancefordeterminingwellsafetyieldpdf.pdf?hash=002EC717EB075442072922C7F6AC95C4&rev=b07c25d4dc3c4e879a8b6ef4ad9c002d)), and NJDEP (<https://dep.nj.gov/drought/private-well-owner-faq/>). Local requirements and exact equipment instructions control.