

Private Well Recovery Measurement Sheet

Use this sheet to organize an existing pump-test record and estimate interval recovery. It is not an official inspection, legal document, laboratory report, or professional yield certification.

Header

Property / well identifier		Test date	
Source of record		Test method	
Professional / company		Reading datum	TOC / ground / elevation
Actual casing inside diameter	_____ in	Casing segment notes	
Pump discharge	_____ gpm	Pumping duration	
Recovery observation duration		Static depth / elevation	
Pumping depth / elevation		Pump-stop time	

Recovery log

Choose one reading type and datum for every row. For depth readings, rise = earlier depth - later depth. For elevation readings, rise = later elevation - earlier elevation.

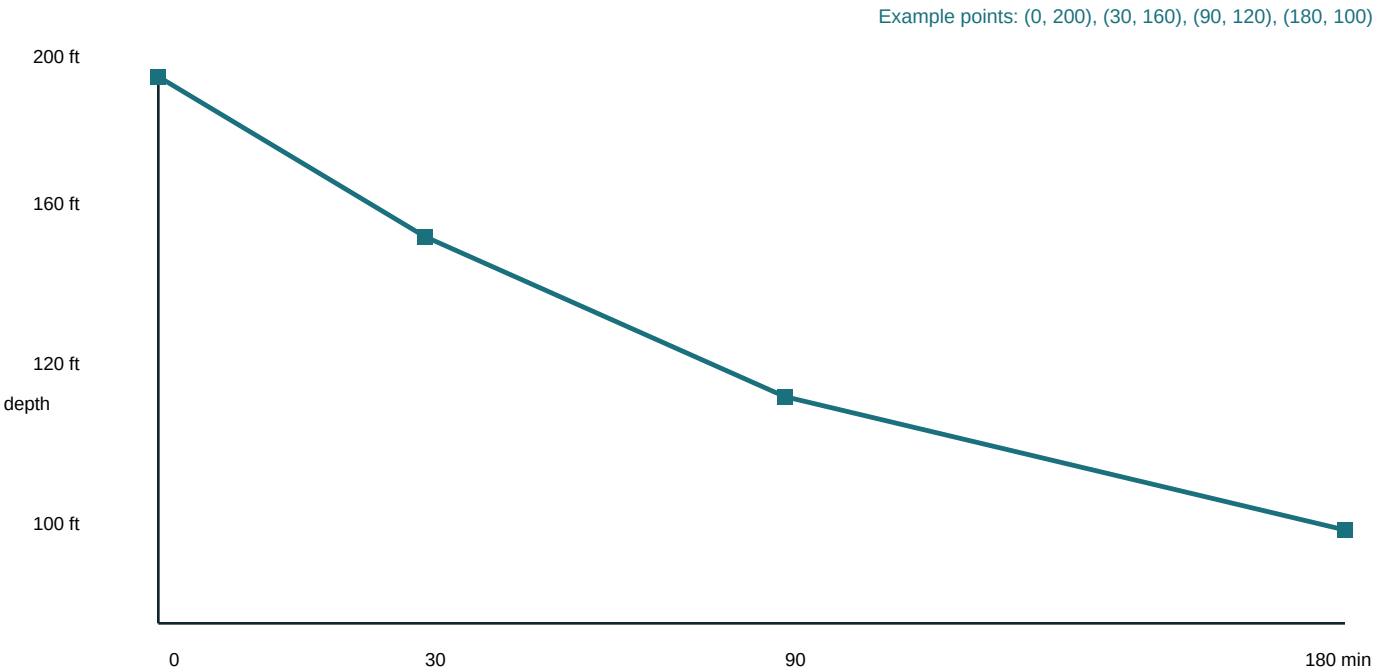
	0		-		-	
Casing gallons per foot: 0.0408 x (actual inside diameter in inches)^2						

This is a geometric storage conversion, not a certified yield calculation. Use a professional review when the casing changes, the interval is screened or open rock, or the record is unclear.

Example calculation and recovery plot

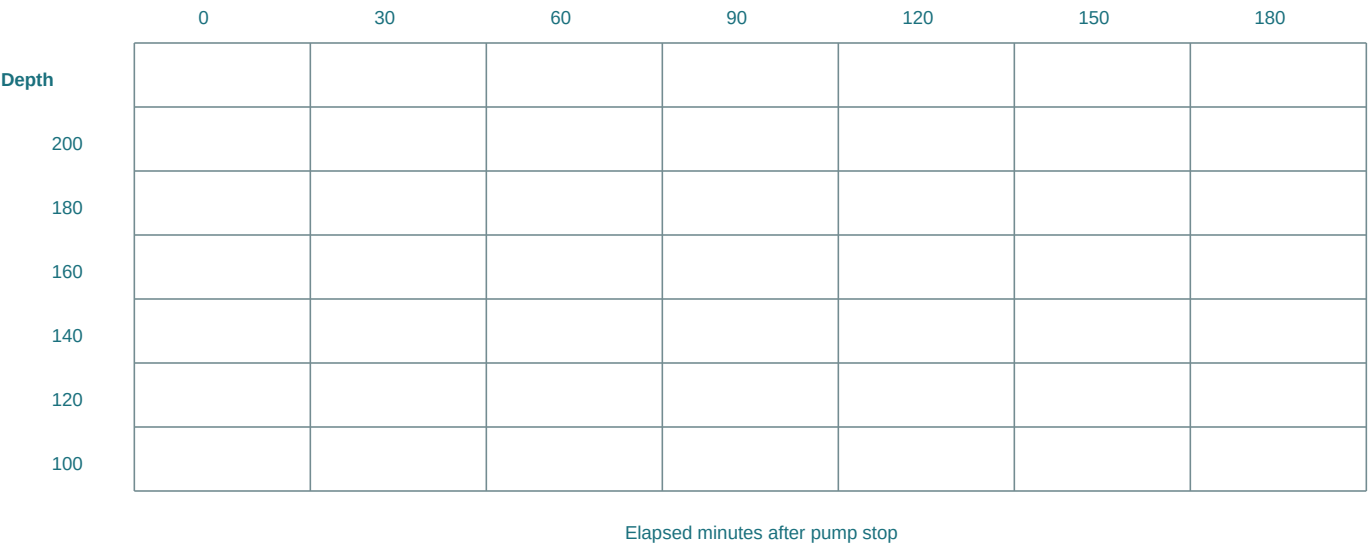
For a 6-inch actual inside diameter, casing storage is about 1.47 gallons per foot. If depth changes from 200 feet to 160 feet in 30 minutes: $(200 - 160) \times 1.47 / 30 = 1.96$ gpm.

Example recovery curve: mark elapsed time on the horizontal axis and depth to water on the vertical axis.



Blank hand-plot grid

Mark exact readings between rows when needed, then connect points in time order. Smaller depth values belong higher on the page.



Comparability and safety checklist

- ☐ Same well and test date identified.
- ☐ Static and recovery readings use the same datum.
- ☐ Feet, minutes, and gpm are clearly identified.
- ☐ Actual casing inside diameter is documented, not guessed from a nominal label.
- ☐ Pump-stop time, discharge rate, and measurement method are recorded.
- ☐ Discharge was directed away from the well.
- ☐ Recovery was not interrupted by household use, irrigation, another well, or power loss.
- ☐ No pump-dry event, low-water cutoff, sand event, or unexplained pressure loss occurred.
- ☐ The homeowner did not open the well, energized control, wiring, pump, pressure vessel, or confined space.
- ☐ Local or state guidance was identified before using a recovery threshold.
- ☐ Water-quality testing was considered separately after a dry-well return, flooding, or well work.

What to bring to a professional

Attach the original well completion report or pump-test sheet. Include well construction, pump setting, discharge method, household symptoms, recent drought or flooding, repairs, treatment changes, and the decision you need to make.

Ask whether the recovery and discharge records are comparable, whether the casing-volume approximation is appropriate, and whether a controlled retest or a demand-and-storage review is needed.