

JOHN'S WELL SERVICE, INC.

P.O. Box 803, Lyons, CO 80540

(303) 444-7237 • (303) 823-5344 • (970) 586-8228

Fax (303) 823-9139

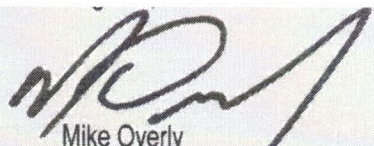
Ryan Larkin

Well Recovery Rate Test

Location of Test	11881 W Cty Rd 74 E
Date of Test	10/08/24
Well Depth	300 Feet – 200 pump setting
Static level prior to pumping	60 Feet
Storage in well	240 Gallons to pump
Surface storage	None
Total storage	240 Gallons
Well recovery rate	In excess of 16 Gallons per minute

The testing of well recovery rate of this well, as reflected by this report, is totally dependent upon conditions existing as of the date of testing and does not reflect any projection as to future production. This is dependent upon future conditions.

Regards,



Mike Overly
State License #1323

WATER WELL SYSTEM GUIDELINES

Household water use varies with the individuals and their habits. A conservative figure would be 100 gallons per day per person. To estimate total daily water use for a household multiply 100 gallons times the total number of occupants.

Therefore the Well Recovery Rate should be capable of replenishing the total gallons of water used by the household in a day.

When and how water is used is the second component in determining the adequacy of a water well system. The bulk of household water use normally occurs in two peak load periods, which are morning and evening. Each peak load uses up to one half of the total daily household water requirement.

Therefore the well recovery rate and water well storage or surface storage must be adequate to meet peak load demand. Also the pumping rate must be sufficient in delivery to provide for peak load requirements of volume and pressure.

WATER WELL SYSTEM DEFINITIONS

WELL RECOVERY RATE: The volume of water, expressed in gallons per minute or gallons per hour, which the well produces independently of the well storage or pumping rate. The well recovery rate is established when the well has been pumped to the lowest possible pumping level and the results of successive tests are stabilized within 5% for one hour:

When the stabilized meter readings indicate that the pumping rate and the well recovery rate have equalized or

When the water level is pumped down to the pump intake and continues to pump at a steady rate or

When the water level is pumped down to the pump intake but the amount of recovery water not sufficient for contained pump operation, the pump will be turned off for a timed interval and the production water will be pumped, collected and measured.

STATIC WATER LEVEL: The distance in feet from ground surface to the level of water in the well prior to any pumping.

WATER WELL STORAGE: The static volume of water, expressed in gallons, which are available for immediate use within the well at the start of pumping.

SURFACE STORAGE: Water storage other than within the well such as a tank above ground or buried, from which water is pumped into the house.

PEAK LOAD: Time period when the heaviest water use is concentrated.