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

[redacted]

Well Recovery Rate Test

Location of Test	11 Red Gulch RD
Date of Test	2/12/2026
Well Depth	300 Feet
Static level prior to pumping	81 Feet
Storage in well	328 Gallons
Surface storage	None
Total storage	328 Gallons
Well recovery rate	7.9 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,

Matt Larson
State License #1499

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:

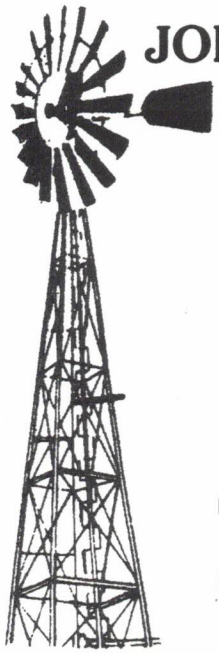
> When the stabilized meter readings indicate that the pumping rate and the well recovery rate have equalized or
>
> When the water level is pumped down to the pump intake and continues to pump at a steady rate or
>
> When the water level is pumped down to the pump intake but the amount of recovery water 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.



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WATER ANALYSIS WORK SHEET

DATE: 02/13/26

NAME: [redacted]

ADDRESS: 11 Red Gulch RD

EMAIL: [redacted]

	YOUR RESULTS Before	YOUR RESULTS After	EPA SUGGESTED LIMITS
IRON	0.0	0.0	**>0.3 ppm;** Over 0.3 ppm may cause discolored water, metallic taste, and red staining on plumbing fixtures and clothing.
pH	7.0	7.0	**6.8-8.5**; <7.0 is acidic (6.8 or under is corrosive to fixtures and piping), 7.0 is neutral, >7.0 is alkaline
HARDNESS	10	9	**>7 gpg**; Causes mineral build-up on fixtures and poor soap/detergent performance (0-3 = soft, 3-6 = moderate, 6-9 = hard, 9+ = extremely hard)
TDS	164	164	**> 500 PPM**; Total minerals dissolved in water can cause taste and/or odor problems for irrigation
Potability			
Total Coliform		Absent	(<1CFU/100 ml); Most coliforms are bacteria that are not harmful and are naturally present in the environment. Presence can indicate the possibility of other, potentially harmful, microbes.
E Coli		Absent	(<1CFU/100 ml); E. coli is a more specific indicator of fecal contamination and is potentially a more harmful pathogen than other coliforms.

COMMENTS: **PASSED**