



**CLEARWATER
WELLS_{LLC}**

Drilling a Water Well *Road Access Wells*

SITE PREPARATION AND SITE VISITS

- We generally require a 20' by 60' gravel pad. Our drill rig is approximately 60,000 lbs. and about the size of a dump truck. Our pipe truck is also large, and both the drill rig and pipe trucks will need to be parked right next to each other. The well site needs to be on the pad.
- Before we send our driller out for a site visit, we need the pad and driveway to be in so that we can evaluate the access. At the visit, we will determine whether we can get our drill rig and pipe truck to the well site and also answer any questions you may have.
- Your well needs to be 100' from any septic system. Site selection is ultimately the customer's responsibility, although our driller will provide input. Our drillers are there to help and to answer questions, so please let us know how we can help!



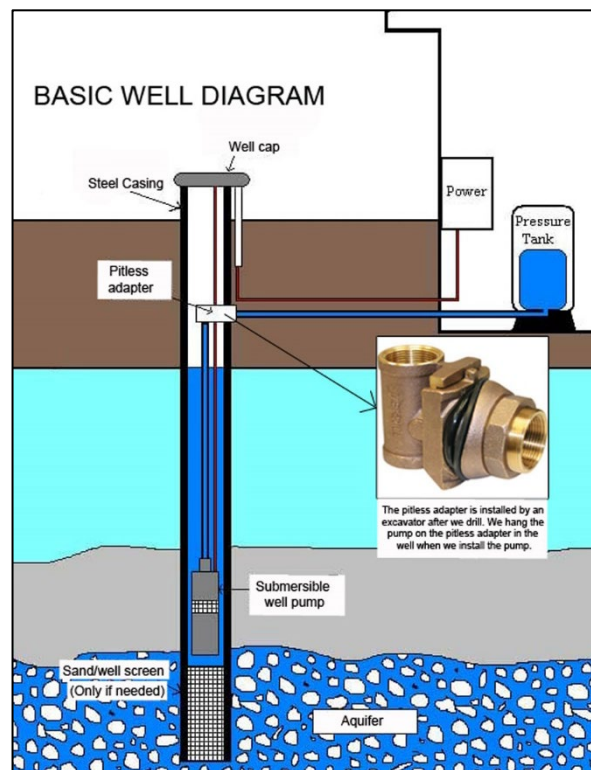
Our typical drill rig/pipe truck set-up.

WELL DRILLING

- For road-access wells, we typically drill 6" diameter wells. Our tracked rig wells are usually 4".
- There are regulations about minimum well depth. Most banks will only provide financing on a property if the well is at least 35' or 40' deep. As a result, our minimum in any location is at least 40'. In areas that are farther from our headquarters in Wasilla, we have a minimum charge of 60'. Please review your estimate to see your minimum.

WATER LINES AND PITLESSES

- We do not install pitless adapters and water lines. We recommend hiring an excavation company for water line installation and getting on their list early. This can be the same company doing your septic installation and land clearing. Call or email us for a list of recommended companies.



Standard well diagram with a pitless. Please click for larger version.

- There are multiple steps to getting water to your building. After we drill the well, you will need an excavation company to install the water line and pitless adapter. After the water line/pitless is installed and the trench is backfilled, we can come back and install the well pump. It will hang off of the pitless in the well. Most pumps we install have a control box. We will provide you with the box when we install the pump, but that will need to be installed in your building by an electrician.

WELL PUMPS

- We offer 230 volt and 115 volt pumps. Unless you request otherwise, the pump on your estimate is for a 230 volt standard residential pump installed on a pitless. Our 115 volt pumps are more expensive, so please let us know if you are off-grid or running solar.
- We can install pumps through the top of the well if you are not putting in a water line right away but please let us know so that we can include that in your estimate. Note that through the top setups have an additional charge for the extra pipe fittings and special cap required. If you are installing a water line later, the pump will need to be moved onto the pitless, which will be billed as hourly labor time. Please ask us about pumps so we can make sure that you get the set-up you need!
- In order to install a pump, we need clear access to the well head so that we can back our F350 pump truck right up to it. Please make sure that lumber or other materials are not in the way, and that there are no trenches or other obstacles.



Well with a through the top setup.

BILLING AND PAYMENT

- Once drilling is complete, we will send you an invoice and also a well log. We usually invoice for the pump separately since those are typically done at different times. Our standard payment terms are 15 days. Please contact us prior to drilling if you have concerns about the payment term.
- We accept cash, checks, and credit cards. You are welcome to mail a check to the address on the invoice, or we have a locking drop box in our office door.
- The credit card companies charge 3.5% on each credit card transaction. Please let us know if you plan on paying by credit card, so that we can add their fee and turn on the pay online feature. We include their fee for customers who pay by card so that we can keep our per-foot and other prices down for everyone.

CAN WELLS BE PREDICTED?

- Wells are unpredictable, especially in certain areas of Alaska. There is no widely accepted scientific technique that allows anyone—even a hydrologist—to accurately predict a well’s depth or recovery rate. When we build an estimate for our customers, we look at the wells we have drilled in the area and also look at the well logs that other drillers have uploaded to Alaska’s well log tracking system (dnr.alaska.gov/welts). We also upload our well logs to this system.
- Our estimates include a depth so that we can give you a possible dollar amount, but they are not a prediction of how deep the well may actually be, or what the final cost will be. Wells can be significantly shallower or deeper. We also cannot always predict whether the well will require sandscreen, perforation, or other incidentals, but we do our best!
- Dry wells are rare, but they do happen, and there are certain areas that have a higher risk of dry or low-producing wells. We are usually aware before we go into an area if it is a high-risk area. Dry wells cost the well drilling company the same amount to drill as a producing well, and it is standard practice among companies to fully charge for low-producing or dry wells, so please be aware of the risk, and call our office with any questions.
- We cannot predict water quality, and we highly recommend getting your well water sampled after the pump is installed. There are areas in the Valley and elsewhere with arsenic and other concerning minerals and contaminants. We are happy to help so please call or email us for recommendations for companies that do water testing and filtration.

WE ARE HERE TO HELP YOU!

We understand that a water well is a big investment, and you may have many questions about the process. We love to help—please contact us and we will be happy to walk you through the steps of getting water, or answer any questions you may have.

Please reply to your emailed estimate or use the contact information below:

Call/text: 907-795-2531

Email: info@clearwaterwells.com

Clearwater Wells

6830 E. Green Glen Dr.

Wasilla, AK 99654

www.clearwaterwells.com



One of our road-access drill rigs with the pip truck behind it. We have two road-access drill rigs and two tracked rig drill rigs.