



Well Application Packet



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Instructions

1. Identify the job site location

Please provide clear, detailed directions for driving to the job site and provide a vicinity sketch. This is especially important if the job site is in a remote area. A Job Site Locator form is provided for convenience.

2. Identify whether the application is for an “exploratory well?”

It is always advisable for well permit applications to be reviewed by Butte County Department of Development Services (DDS) to be sure that there are no site restrictions that might impact well placement.

You can opt to avoid this review by designating the well as “exploratory.” Exploratory wells cannot be developed or used in anyway and a Disclosure document must be signed by the property owner. When the parcel is subsequently reviewed by DDS prior to building permit issuance, the designation can be changed, provided no complicating factors are identified in the DDS review.

3. Select a licensed well driller

Wells need to be drilled by a contractor who has a “C-57” license designation by the California Contractors State Licensing Board. Pumps need to be installed either by a contractor who has a C-57 license or a C-61/D21 license.

Note: The well driller will work with the property owner to identify the optimal well site. Our office needs to inspect the job site and approve the proposed well site. Once the Well Permit has been issued, the driller is required to provide our office with a 24-hour notification to allow us to inspect the construction and well seal process.

4. Complete the development of the well

In order for a Well Permit to be “finalled” and certified by our office as complete, the well needs to be fully developed with a concrete slab around the casing and an installed pump with electrical service. The property owner is highly advised to test their water for water quality to assure that it is safe to drink. Future building permits for structures served by the well will not be released for occupancy until the well water has been tested to verify the absence of total and fecal coliform and a nitrate level of less than 10 milligrams per liter.

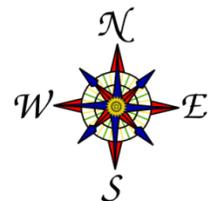


Job Site Locator

Dear applicant: It is very helpful for staff when you clearly describe the location of the job site. This is especially important when the job site is in a remote area. Please complete this form and use the marker tape provided by our staff to clearly mark the entrance to the job site and proposed well location.

Provide **Written Directions** for Locating Job Site

Provide **Vicinity Sketch** to Assist in Locating Job Site





WATER WELL CONSTRUCTION PERMIT

Date paid: _____ \$ _____

Receipt No. _____

- Small Diameter Domestic Well (casing 8 inch diameter or less)
- Public Water System Well
- Replacement, Same Pump Capacity, 100 ft of destroyed well
- Repair/Deepening (same pump capacity)
- Large Diameter Well (> 8 inch diameter)
- Destruction
- Frost Protection
- Fire Suppression

WP Well

APPLICATION

APN #: _____ Tract #: _____

Applicant Name (Please print) _____ Property Owner Name _____

Applicant Mailing Address _____ Construction Site Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

Property Owner Name _____ Property Owner Telephone _____

Exploratory well? Yes No C-57 Well Driller Name _____

If "yes," has the Non-Development (Exploratory) Water Well Permit Disclaimer/Acknowledgment document been signed by the property owner? Yes No Proposed Depth: _____ Casing Diameter: _____

The important information for Applicants/Property Owner (located on the back of this page) been reviewed by applicant or, if the applicant is not the property owner, has the information been shared with the property owner? Yes No

Additional Information for Large Diameter Wells Only

Within Water District? Yes No Engineered Pump Capacity: _____ GPM

Name of Water District: _____ Acreage of Parcel(s) to be Served: _____

If other wells also serve the above referenced parcel(s), provide an attachment that specifies for each well: (1) APN, (2) Pump Horse Power, and (3) Pump Capacity in Gallons per Minute (GPM). Note: Maximum pump capacity is 50 GPM/acre served.

Applicant Acknowledgement

As the applicant, I am: the property owner, the C-57 licensed well driller, the property owner's authorized representative. I certify that the information in this application is correct to the best of my knowledge.

Applicant Signature _____ Date of Application _____

PERMIT

CONSTRUCTION APPROVAL

This permit is issued based on review of the attached design and it has been determined that it meets the requirements of Butte County Code Chapter 23B, Water Wells.

Environmental Health Specialist _____ Date of Issuance _____

Comments/Conditions: _____

FINAL APPROVAL AND CERTIFICATE OF COMPLETION

Well Construction/Destruction Approval _____ Well Final Approval/Certification of Completion _____

Environmental Health Specialist _____ Date _____ Environmental Health Specialist _____ Date _____

Applicant: See important information on reverse side of application.

TEL: 530.538.7281 | 202 MIRA LOMA DRIVE
FAX: 530.538.5339 | OROVILLE, CA 95965

Completed by applicant

Completed by Environmental Health

!!! Important Information for Applicant/Property Owner!!!

- Permit valid only for construction in the location shown on the attached plot plan, stamped "Approved." Variation from the approved location must have prior approval by Environmental Health.
- Permit valid only if drilled by a C-57 Licensed Contractor.
- Environmental Health recommends that the water from this well be tested for water quality when the well is completed in order to confirm that the water is potable (safe drinking water quality).
- Environmental Health will not release for occupancy any future building permit for a residence served by this well that has not been tested, at a minimum, to verify the absence of total and fecal coliform and a nitrate level of less than 10 milligrams per liter.
- **Permit valid 1 year from the date of issuance.**

Official Use Only Below

A. Well Seal Inspection

1. Requested by: _____ Call in date/time: _____
2. Ready date/time: _____ A.M. P.M.
3. Inspection date: _____ Approved No seal inspection
4. Inspector name: _____
5. Comment (if seal not approved or inspection not performed): _____

B. Water Well Report/Destruction Report

2. Date received: _____ Date reviewed: _____
3. Reviewer name: _____
 Approved Not received
4. Comment (if report not approved or not received): _____

C. Disinfection Report

2. Date received: _____ Date reviewed: _____
3. Reviewer name: _____
 Approved Not received
4. Comment (if report not approved or not received): _____

D. Well Final Inspection

2. Inspection date: _____ Inspector: _____
 Approved Not inspected by EH but Certification of Completion provided by a licensed well driller or pump contractor?
3. Comment (if final not approved or Certificate of Completion not received): _____

4. For large diameter wells only, capacity of installed pump verified by:
 Pump "specification sheet" Other; please explain: _____



SITE PLAN REQUIREMENT CHECKLIST

GENERAL INFORMATION

Your site plan may be reviewed by various departments: Development Services, Public Works, CDF, Agriculture Commission, etc. so you will need to include information to satisfy numerous agencies.

- Please label all elements as clearly and completely as possible
- Site plans must be fully dimensioned and clearly drawn on clean paper, 8.5' x 11' minimum or up to 11' x 17' maximum
- Blow-ups or insets should be used to provide more detail where required. A scaled site plan may be required, if necessary for septic system permit or other plan review.

GENERAL INFORMATION ITEMS REQUIRED

- Owner's name
- Assessor's Parcel Number
- North arrow
- Property lines with dimensions: As shown on the assessor's map or parcel map
- Distances between improvements and from property lines
- Setbacks
- Any features, such as cliffs or areas of slope: Include direction and approximate degree of slope

EXISTING AND PROPOSED ON-SITE IMPROVEMENTS, INCLUDING:

- Buildings and other structures
- Pools
- Tanks
- Retaining walls
- Cuts and/or fills

ROAD FEATURES, INCLUDING

- Location and name of frontage road(s) serving property
- Locate of driveways
- Right-of-way
- Easements

ALL WATER RELATED FEATURES, INCLUDING:

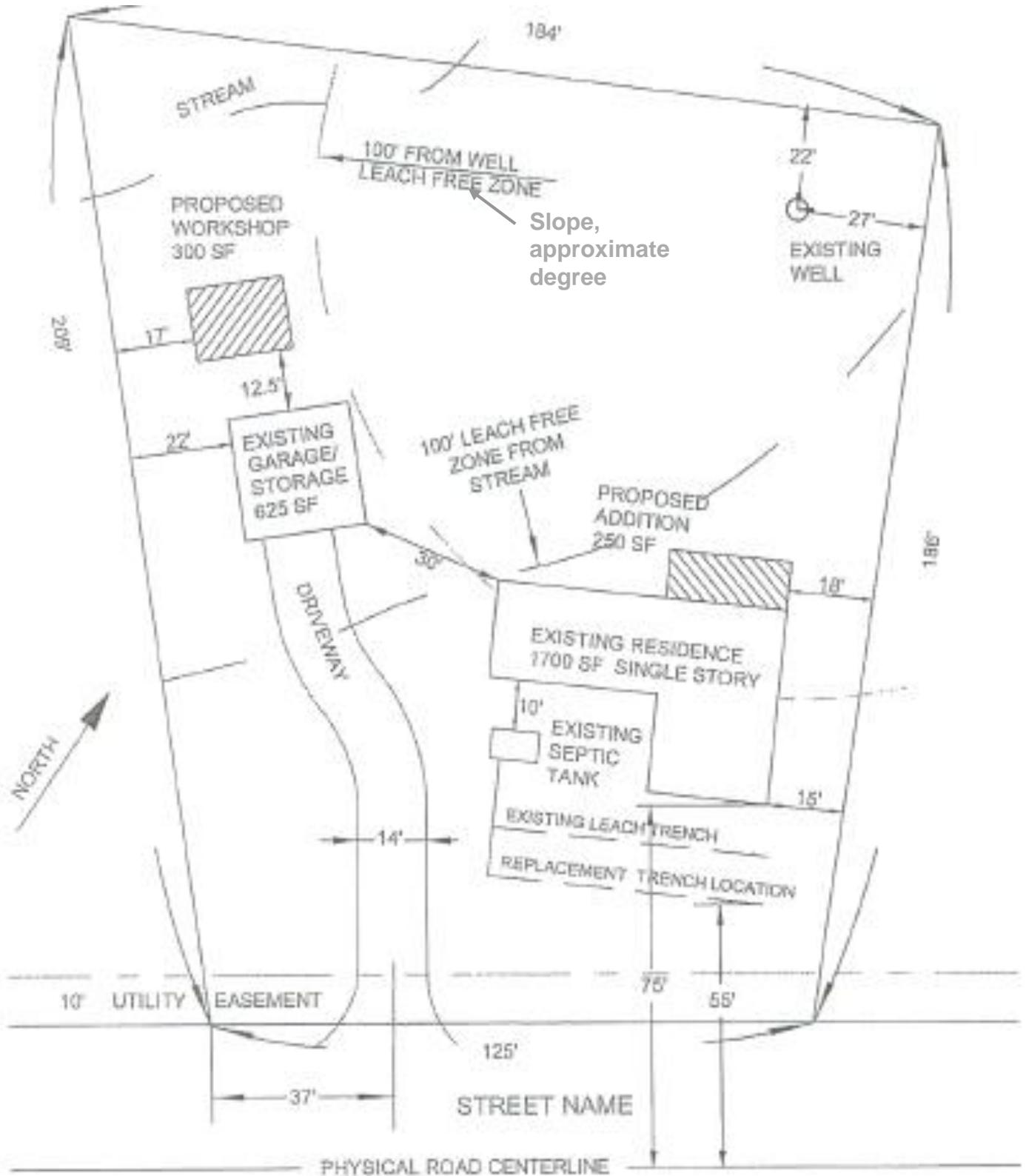
- Flood zone
- Septic/sewage disposal systems (original and replacement)
- Wells
- Waterlines
- Springs
- Creeks or streams
- Seasonal creeks and drainage ditches

The information provided on the attached site plan and application is accurate and complete to the best of my knowledge. (Please attach this signed document to your site plan.)

Applicant Signature

Date

Example Site Plan



SITE PLAN Assessor's Parcel Number: - - Trakit #: _____

<p>I certify that the information in this site plan is accurate and complete to the best of my knowledge.</p> <p>_____</p> <p>Signature Date</p>

Owner Name: _____ Scale 1" = _____

Address / Phone: _____

Site Location: _____

Contact Name: _____ Phone: _____





WHAT YOU NEED TO KNOW ABOUT YOUR WELL

DO YOU GET YOUR WATER FROM A WELL? PLEASE READ ON!

Private well owners are responsible to make sure that their own water is safe. Butte County joins you in concern for your family's well being, and is pleased to help answer these important questions:

- ◆ What is a well?
- ◆ Do you know your surroundings?
- ◆ How do wells become contaminated?
- ◆ How do I know if my water is safe?
- ◆ What should I test my water for?
- ◆ How can I protect my water?
- ◆ Who can help me?

WHAT IS A WELL?

Simply stated, a well is a hole drilled into the earth to obtain water. Slotted plastic or metal well casing is placed in the hole and a pump is installed to pump the water out. Properly constructed wells have a sanitary seal installed around the upper portion of the well casing to reduce the chance of surface water and pollutants on the surface from entering the well. Improperly constructed wells including hand-dug wells and some older wells without sanitary seals may allow contaminants to enter the well. Wells must be drilled and constructed properly under permit from the Butte County Environmental Health Division. Further information is available from Environmental Health at 530-538-7281,

HOW DO WELLS BECOME CONTAMINATED?

Some groundwater contains dissolved naturally occurring elements such as arsenic, boron, selenium, or radon (a gas formed by the natural breakdown of radioactive uranium in the soil). Whether these natural contaminants can cause health problems depends on the amount of the substance present, how long you have been exposed to the substance and on your overall health. In addition to natural substances, groundwater can be polluted by human activities generating contaminants such as:

- ◆ Microorganisms (agricultural operations, sewage treatment ponds, septic systems)
- ◆ Fuels- gasoline & diesel (gas stations, auto body shops, maintenance yards, industrial facilities)
- ◆ Solvents – Volatile Organic Compounds such as trichlorethylene and perchlorethylene (dry cleaners, industrial facilities, auto repair shops, chemical storage facilities)
- ◆ Nitrates (agricultural operations, septic systems)
- ◆ Pesticides (agricultural operations, suburban yards)
- ◆ Metals – lead, arsenic & copper (mining, old agricultural operations, industrial operations, leaded fuel, household plumbing)

DO YOU KNOW YOUR SURROUNDINGS?

If you are using a private well for your drinking water supply it is advised that you become aware of the types of activities that are occurring near your well that could potentially impact your water quality and quantity.

HOW DO I KNOW IF MY WATER IS SAFE?

Naturally occurring chemicals in the soil can give well water a distinctive taste and odor. On the other hand, although your water may taste and smell fine, the only way to know for sure that your water is safe is by testing it. Harmful bacteria or chemicals that you cannot see, smell or taste could be present. Water testing is important because it:

- ◆ Helps you identify if contaminants are present
- ◆ Tells you how much contaminant is present
- ◆ Establishes a comparison with past or future results

Having your water tested regularly will help you become aware of a potential problem early so that you take steps to address it.

WHAT SHOULD I TEST MY WATER FOR?

There are a variety of drinking water tests available. Wells are most often tested for bacteria only. This is a readily available and relatively inexpensive test. However testing only for bacteria does not provide conclusive information about other possible contaminants. Based on your knowledge of activities in your neighborhood, you can work with the analytical laboratory to select the appropriate tests. Below are examples of common contaminants and appropriate tests:

- ◆ Gasoline and Diesel/Motor Oil - EPA Method 8015
- ◆ Volatile Organic Compounds - EPA Method 8260
- ◆ Pesticides - EPA Method 8080
- ◆ Herbicides - EPA Method 8150
- ◆ Metals and Inorganics (I.e. arsenic, lead, nitrates, chromium, fluoride) - EPA Method 200 Series
- ◆ Bacteria (Total Coliform and Fecal Coliform) EPA Colilert Method

Some contaminants that have been found in Butte County include: *trichloroethylene (TCE), tetrachloroethylene (PCE), arsenic, nitrates, methyl tert-butyl ether (MTBE), fecal coliforms, and a variety of volatile organic compounds. For a list of qualified laboratories, please refer to the Yellow Pages under the listing of "Laboratory Testing".*

HOW OFTEN SHOULD I HAVE MY WATER TESTED?

We recommend you test your well for total and fecal coliform bacteria prior to use.

The following is offered as a guideline for testing existing wells:

- ◆ *Bacteriological* tests should be run at least twice a year, if you have an unsealed well. On a sealed well, once every two years is recommended.
- ◆ *Volatile Organic Compounds and Pesticides* should be run at least every 3 to 5 years if

the well is located in an area where those constituents are a known concern due to surrounding land use practices or naturally occurring compounds.

- ◆ *Nitrates and Metals* should be run at least once every five years if your well is located in an area of concern about high nitrate levels.

You may contact Butte County Environmental Health if you are concerned that your well may be located in one of the areas of concern described above. If any of the above are detected, you should immediately consult with the Butte County Environmental Health, one of the agencies listed below, or with a C-57 licensed well.

The results of your well tests are usually considered private information. Check with your laboratory regarding confidentiality.

DO MY RESULTS PRESENT A HEALTH RISK? CAN I PROTECT MY WATER?

The Environmental Protection Agency (EPA) and State of California set the Maximum Contaminant Level (MCL) for many substances in public drinking water. There are no regulations for private water supplies. Call Butte County Environmental Health at 530-538-7281 for more information or visit the CA-DHS Drinking Water Office website at:

<http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Chemicalcontaminants.aspx>

HOW CAN I PROTECT MY WATER?

Here is a list of things you can do to protect your well water:

- ◆ Periodically inspect exposed parts of the well for damaged casing, broken or missing well cap, or cracked seals.
- ◆ Slope the area around your well to drain surface runoff away from the well.
- ◆ Avoid mixing or storing pesticides, fertilizers, fuels or other chemicals near the well.
- ◆ Pump and inspect your sewage disposal system regularly.
- ◆ Never dispose of toxic chemicals down household drains.
- ◆ Hire a C-57 licensed well driller for any new well construction, modification, abandonment, closure, or inspection.

If you hire a C-57 licensed well driller to inspect your well, items that can be addressed in the report include:

- ◆ Information about the brand, size, date codes of all visible equipment
- ◆ Inspection of the equipment and assertion that each component is either in working order or that the defects are listed
- ◆ Water quantity measured in gallons per minute using a method that measures GPM until the drawdown is stabilized
- ◆ Report from a certified laboratory, at a minimum testing for fecal and total coliform bacteria
- ◆ Estimate for any repairs that are necessary to bring the well up to optimal functionality

Most types of water contamination can be treated. Water softeners or filters do not guarantee water safety. Different contaminants may require specific treatment systems. If you have contaminated water, contact the agencies listed below for advice.

WHO REGULATES MY WELL?

Water quality from privately owned and used wells is not regulated. Butte County has adopted a well ordinance that regulates the construction and development of wells, but it is your responsibility as a property owner to maintain your well, to monitor your water quality, and to help protect the quality of drinking water in Butte County. The Butte County well ordinance can be found at: [\(put in link here\)](#).

WHO CAN HELP ME?

Butte County Public Health Department

Division of Environmental Health

202 Mira Loma Drive
Oroville, CA 95965
530-538-7281

State of California

Regional Water Quality Control Board

Central Valley Region
415 Knollcrest, Suite 100
Redding, CA 96002
530-224-4845