

OCCUPATIONAL & PROFESSIONAL TRADES

WELL ABANDONMENT, VERIFICATION OF WORK COMPLETED

**Procedures followed:** All procedures used to abandon a well shall follow regulations established under Section 25-128-56 and 25-128-57 of the State of Connecticut Well Drilling Board Regulations (see attachment). These regulations require that a registered well drilling contractor perform the work.

For water supply wells attach completed form to Well Permit. For non-water supply wells attach sketch of well location to completed form. Distribution: Department of Consumer Protection, Department of Environmental Protection, Property Owner, Well Drilling Contractor, Local Director of Health.

**Well information:**

Town: \_\_\_\_\_ Date work completed: \_\_\_\_\_

Name of Owner: \_\_\_\_\_

Address: \_\_\_\_\_

Location of well (if different from above): \_\_\_\_\_

Type of well (drilled, point, dug, etc.): \_\_\_\_\_ Depth of well: \_\_\_\_\_

Diameter of well: \_\_\_\_\_ Length of casing: \_\_\_\_\_

**Work details and other information:**

Name of registered well drilling contractor performing work: \_\_\_\_\_

Registered well drilling contractor's license type & #: W1-# \_\_\_\_\_ W3-# \_\_\_\_\_ Permit # (if applicable) \_\_\_\_\_

Materials Used: amount of sand \_\_\_\_\_

amount and type(s) of grout \_\_\_\_\_

Description of work completed: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_ (Well Drilling Contractor)

# REGULATIONS FOR WELL ABANDONMENT

## (Regulations of Connecticut State Agencies)

### Sec. 25-128-56: Abandonment of wells, responsibility

Any well that is abandoned shall not be a source or cause of contamination or pollution of ground water resources. Abandonment procedures shall be performed or directed only by a registered well driller. The registered well drilling contractor who performs the work of abandonment shall be responsible for compliance with the procedure of abandonment of the well, as provided in this part and shall notify the local health authority of the abandonment of the well.

(Effective May 21, 1993)

### Sec. 25-128-57. Procedure of abandonment

In the event of abandonment of any water well or other type of well the proper procedure and materials shall be used as follows:

- (a) The well shall be plugged to prevent the entrance of surface water, circulation of water between or among producing zones, or any other process resulting in the contamination or pollution of ground water resources.
- (b) In the event of temporary abandonment or discontinuance of the use of any well, the well shall be sealed with a watertight cap or seal, as provided by Section 25-128-42 (c).
- (c) The well shall be chlorinated prior to abandonment using a chlorine solution with a minimum concentration of one hundred fifty parts per million (150 ppm) of chlorine. This is equivalent to 5.5 quarts of bleach at 2.25% available chlorine to five hundred (500) gallons of water or three hundred thirty-three (333) feet of six (6) inch diameter well.
- (d) The well shall be checked from land surface to the entire depth of the well before it is sealed, to insure against the presence of any obstruction that will interfere with sealing operations.
- (e) The well bore shall be filled and sealed with any of the following materials: heat cement grout, sand cement grout, bentonite clay grout, or sand clay or bentonite cement grout.
- (f) The grout material shall be placed in such a way to prevent voids in the grout or dilution of the grout.
- (g) Any well constructed in a consolidated rock formation, may be filled with fine sand in the zone or zones of consolidated rock. The top of the sand fill shall be at least ten (10) feet below the bottom of the casing, and the remaining portions of the well shall be filled with any of the materials specified in subsection (e).
- (h) Any test well or bore shall be abandoned in such a manner that it does not become a channel for the vertical movement of water or other substance to the potable ground water resources.
- (i) Deep waste disposal or oil wells with casings free of any breaks, and extending below the potable ground water zones, may be sealed with a water tight cap or welded plate.
- (j) Upon completion of abandonment of the well, the top of the casing or grout material may be terminated at least four (4) feet below the ground surface.

(Effective May 21, 1993)

### SKETCH OF WELL LOCATION

Sketch exact location of well with distances to at least two permanent landmarks



Indicate North