

567—49.10(455B) Well reconstruction. All well reconstruction must meet the requirements of this chapter. If the well feature in need of reconstruction cannot be brought into compliance with these rules, the well must be properly plugged.

49.10(1) *Installing a liner.* If the reconstruction will involve the placement of a liner, the certified well contractor must then determine whether the proposed reconstruction will be done in order to correct a health-related problem. The work to be performed must then be done in accordance with paragraph “a” or “b” below.

- a. Standards for installation of a liner to correct a health-related problem.
 - (1) The liner shall have a minimum of two sets of centering guides to allow the proper placement of grout. In no case shall the liner be driven into place.
 - (2) The liner shall extend to the ground surface or top of the pitless adapter.
 - (3) The annular space between the old casing and the liner shall be pressure-grouted in place throughout its entire length using an approved grout.
- b. Standards for installation of a liner to correct a problem that is not health-related.
 - (1) The liner shall extend at least ten feet above the static water level or, if a caving zone is present, shall extend above this region.
 - (2) The liner may be pressure-grouted in place if there is a sufficient annular space for proper application of the grout.
- c. Liner material standards. Liners must meet well casing standards as defined in 49.9(1). Liners may be composed of either steel or thermoplastic with a minimum inside diameter of 4 inches. Steel liners must be new and have a minimum wall thickness of .188 inches. Plastic liners must have a standard dimension ratio of 26 or less or a schedule rating of SCH 40 or SCH 80. If the installation does not meet the definition of a liner, then casing material shall be used.

49.10(2) *Upper terminus.* All well reconstruction performed on the upper terminus of a well must meet the standards of this chapter.