

567—82.9(455B) Certified well contractor obligations.

82.9(1) *Record and sample submission.* Within 30 days of completion of any water well, each certified well contractor shall submit the following:

a. A well record form to the authority who issued the well construction permit (the department or the local county health department), in accordance with 82.9(2); and

b. Drill cutting samples to the Iowa Geological Survey (IGS) for any water well used as part of a public water supply, a well used for water withdrawal for which a permit is required by 567—50.1(455B), or a department-required well used to monitor groundwater quantity or quality, as required by 82.9(3).

c. Prior to constructing a water well to be used as part of a nonpublic water supply or other water well used to access groundwater, a certified well contractor shall contact the local health department in the county in which the water well is to be located to determine if submittal of drill cutting samples is required.

82.9(2) *Well record form.* Well drilling records shall be submitted on the well record form, or, for all nonpublic water supply wells, into the department's Iowa Well Information System database. Both the form and the database are available on the department's website at www.iowadnr.gov. The well record form shall include the following:

a. Well location and legal description (quarter section, section number, township, range, and county);

b. Reference point for all depth measurements;

c. Depth at which each significant change of formation occurs;

d. Depth at which pump is set, the non-pumping and pumping water levels in the well measured from the land surface, and the rate and duration the well was pumped;

e. Identification of the material of which each significant stratum is composed;

f. Depth at which hole diameters (bit sizes) change;

g. Normal hole diameter of the well bore;

h. Total depth of the completed hole;

i. Depth or location of any lost drilling fluids, drilling materials, or tools;

j. Casing depth, grouting schedule, including materials used and method of placement, and description of the well casing and liner pipe;

k. A description of well screens, including diameter, length, material slot sizes, amount of open area, and location in well; and

l. A description of physical and chemical well development activities.

82.9(3) *Cutting samples.* Drill cutting samples shall be collected at intervals of five feet and at each pronounced change in geological formation. The IGS will provide drill cutting bags.

82.9(4) *Test pumping.* Certified well contractors shall provide, as requested, test pumping data for water wells used as part of a public water supply and for water wells used as part of a regulated water use pursuant to 567—subrule 50.6(1).

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