

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

BRANDS WELL DRILLING

Box 333, Fairbairn, MN

Oct 2 - 1987

USGS No.

Area

Driller Richard H. BrandWell Owner Don + Deb HaaseUse of Well Res

Location (address of: Township, Range and Section, if known; or distance from main road:

Lot 10 off culdesack on Silverwood CourtSize of Casing 5'-4"-3" Depth of Hole 284 feet. Cased to 278 feet.Static water level 119+6 feet (above) (below) land surface. Finish of well (check one)

Open end (✓); Screen (); Perforated (✓)

Describe screen or perforations 5" casing with drive shoe to 130' - 4" liner perforated to -Well pumping test at 1 gallons per (hour) (minute) for 2 hours with Airfeet of drawdown from static level 213'-6" machined coupling on top - 3" liner perforated toRemarks 278' machined coupling on top (4" liner 101' - 3" liner 84'-6" x 1/4" drilled holes)

WELL LOG

Depth in feet from ground surface.	Give details of formations penetrated, size of material, color, and hardness.
0 to 4'	Brown silt.
4' to 128'	Brown soft shist rock. Mud zone at 90'. Drive casing to 130'.
128' to 213'-6"	Brown med hard shist rock. Well seeping about 16 GPM clean
213' to 275'	Gray very hard - drilled with DTH hammer.
275' to 278'	light brown - broken rock & clay - came up hole 50' plugged;
278' to 284'	Gray very hard - 1 1/2" bit to make 6' new bit - sand hole -

Note. to Had to drive 5' to 129' to shut out top 90' mud zone. Drilled to 213'-6" with cone bit, could not penetrate that gray rock - switch to 4" DTH hammer to drill to 278' where another high press clay zone kept plugging my bits - Ran 4" casing to 213'-6" - Then 3" casing to 278' no perforations bottom to 21' - had to drive 3" liner last 25' hole still mud & broken rock.

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