

51N 5W-34ab1. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 34; 740 feet south and 2,740 feet east of the NW cor. sec. 34. Village of Post Falls. Public supply well, drilled by A. A. Durand and Son in July 1947; depth about 276 feet; 18 feet of 20-inch steel casing from depth of 4 to 22 feet; 118 feet of 18-inch steel casing from 1.0 foot above land surface to depth of about 117 feet; 166 feet of 14-inch steel casing from depth of 110 to 176 feet; 14-inch casing laps 7 feet into 18-inch casing with lead seal; casing perforated from depth of about 231 to 276 feet; open bottom; 250 feet of air line; 60-HP electric motor and turbine pump. Drawdown reported very small when well is pumped at rates up to 1,200 gpm. Situated on valley outwash plain. Log, from drillers' original record, obtained by Geological Survey Oct. 18, 1948.

Description of material	Thickness (feet)	Depth (feet)
Sand and gravel	15	15
Gravel	5	20
Gravel and small boulders	48	68
Boulders	4	72
Gravel and boulders	41	113
Boulders	14	127
Boulders and gravel	13	140
Boulders	5	145
Gravel with boulders	131	276

18 feet of 20-inch steel casing from 4 to 22 feet; 118 feet of 18-inch steel casing from 1 foot above land surface to 117 feet below; 166 feet of 14-inch steel casing from 110 to 276 feet; casing perforated from about 231 to 276 feet. Test pumped 1,200 gpm with no appreciable drawdown.

Principal aquifer, outwash gravel. Water levels probably influenced by local irrigation. Measuring point: center of altitude gage; altitude 2,218.8 feet; 1.8 feet above land-surface datum. Reference mark: chiselled cross in concrete floor at north edge of pump; altitude, 2,217.6 feet; 0.6 foot above land-surface datum. Depth to water and altitude of water surface: May 26, 1948, 212.2 (2,004.8); Sept. 7, 1949, 202.2 (2,014.8).