

Shawver WELL COMPANY INC.

WATER WELL DRILLING AND REPAIRING

P O BOX 266

DIAL 319-237-5341

FREDERICKSBURG, IOWA 50630

September 6, 1978

WELL LOG OF WAUCOMA, IOWA

0'	to	3'	Topsoil
3'	to	8'	Sand
8'	to	10'	Clay & Limerock (Devonian)
10'	to	155'	Limerock (Devonian)
155'	to	160'	Shale Gray (Devonian)
160'	to	175'	Brown Shale Limerock & Sand (Devonian)
175'	to	200'	White and Gray Limerock (Silurian)
200'	to	215'	Shale (Maquoketa)
215'	to	245'	Shale & Limerock Blue (Maquoketa)
245'	to	250'	Limerock Buff (Ft. Atkinson)
250'	to	270'	Gray Limerock (Ft. Atkinson Limerock)
270'	to	290'	Limerock Buff and Gray (Ft. Atkinson Limerock)
290'	to	295'	Shale and Limerock Gray (Ft. Atkinson Limerock)
295'	to	320'	Limerock Gray (Galena)
320'	to	330'	Limerock Buff (Galena)
330'	to	335'	Limerock Gray (Galena)
335'	to	345'	Buff Limerock (Galena)
345'	to	370'	Limerock Gray & Buff (Galena)
370'	to	420'	Buff Limerock (Galena)
420'	to	480'	Buff Limerock (Galena)
480'	to	540'	Buff Limerock (Galena)
540'	to	565'	Shale and Shale Rock (Decorah Platteville)
565'	to	625'	Shale Limerock (Decorah Platteville)
625'	to	635'	Shale and Sand Stone (St. Peter)
635'	to	682'	Sandstone (St. Peter)

A 15½ inch hole was drilled to 330 feet using 17 feet 8 inches of 16 inch Outside-Diameter temporary casing at the surface. 334 feet of 10 inch inside-diameter casing was installed to 330 feet using centralizers welded to casing every thirty feet to center 10 inch casing in 15½ inch hole. A Butler-Larkin Grout Shoe was installed on the lower end of 10 inch casing. 244 sacks of cement mixed with 6 gallon of water per sack was then pumped through the Grout Shoe up in the annular space around the 10 inch casing. Drilling was continued through the Galena Limestone and Decorah Platteville Strata in to the St. Peter Sandstone to 635 feet. Then 115 feet of 8 inch Inside-Diameter pipe was installed from 520 feet to 635 feet. Then a 8 inch hole was drilled through the St. Peter Sandstone to a total depth of 682 feet.

Static water level is 190 feet from ground level.