Bin E4

#32106

February 14, 1991

Mr. Ron Fulton
L.A. Fulton & Sons
3401 - 100 Fourth Street
Des Moines, IA 50322

91-7W
Arlington

RE: Completed Well Log for Starmont Schools
DRILLED: January 7-15, 1991
LOCATION: Fayette County, Putnam Twp., Sec. 15 SE1/4SE1/4SE1/4
DRILLER: Jim Bunting
ID#00190 01

LOG OF WELL

0′	to	23′	Brown sandy clay
23′	to	30′	Blue clay
30′	to	33′	Sand
33′	to	50′	Muddy sandy
50′	to	70′	Blue clay
70′	to	78′	Sandy clay
78′	to	105′	Blue clay
105′	to	114′	Sand
114′	to	131′	Blue clay
131′	to	135′	Sand
135′	to	139′	Blue clay
139′	to	193′	Limerock
193′	to	198′	Shale and limerock
198′	to	210′	Shale

The well is cased from 2′ above ground level to 147′ below ground with 10" I.D. x .365 wall steel casing. A 15" hole was drilled to 147′ and 91 sacks of neat cement grout was pumped in the annular space. The 10" casing was equipped with 2" centering guides. After the grout was allowed to cure to 72 hours, drilling continued. A 10" open hole was drilled from 147′ to 210′. An 8" x .250 wall perforated liner was installed from 140′ to 210′. The well was then test pumped at a rate of slightly over 100 gallons/minute for a period of 12 hours.

The static water level prior to pumping was 85′. The well drew down to 114′6" after 12 hours of pumping.