

## APPENDIX A

## Summary Sample Study

Caterpillar Well #3

February 28, 1966

*W. J. Kemp*  
by  
Dr. John P. Kempton  
Geologist, Champaign, Illinois

Location SE 1/4 Section 26, T.79N.R.3E.  
Scott County, Iowa

	Thickness Feet	Depth Feet
<b>Pleistocene Series</b>		
Silt, black, organic	4	4
Silt, dark brown, with little yellowish brown, bedded	6	10
Till - greenish brown clayey silt	35	45
Till - greenish gray to dark greenish gray	10	55
Sand, slightly gravelly, very silty, greenish gray	15	70
Clay, silty, greenish gray	5	75
Sand, very fine to coarse, silty, white	5	80
Till - very dark gray silty clay	30	110
<b>Silurian System</b>		
<b>Niagaran Series</b>		
Dolomite, yellowish buff, very fine to coarse, crystalline, slightly porous	15	125
Dolomite, light buff, very fine to fine, crystalline	15	140
Dolomite, very light brownish gray, very fine, crystalline	25	165
Dolomite, yellowish buff to light buff, fine to medium, crystalline, slightly porous to porous	60	225
Dolomite, buff, little white, very fine to coarse, crystalline, slightly porous, little porous	50	275
Dolomite, buff to yellowish buff, very fine to coarse, crystalline, slightly porous	10	285
Dolomite, yellowish buff, fine to coarse, crystalline, slightly porous to porous; clay, yellowish buff, probably fracture fill	20	305
Dolomite, yellowish buff to yellowish brown, very fine to coarse, crystalline, slightly porous	75	380
Dolomite, white, little buff, very fine to fine, crystalline, little slightly porous; little clay	22	402

Caterpillar Well #3  
Location SE 1/4 Section 26, T.79N.R.3E.  
Scott County, Iowa

Page 2

	<u>Thickness Feet</u>	<u>Depth Feet</u>
Alexandrian Series		
Dolomite, very light gray to white, very fine, crystalline	33	435
Dolomite, light gray, very fine to medium, crystalline, little light brown, gray mottled very fine to coarse, mostly green clay or shale 440 to 445	15	450
Dolomite, light gray to white, very fine to fine, crystalline; chert, white	34	484
Ordovician System		
Maquoketa Formation		
Siltstone, greenish gray to dark gray, black speckled, dolomitic, brittle; little shale, gray, silty, dolomitic, weak	6	490 TD