

ILLINOIS STATE GEOLOGICAL SURVEY

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Water Well	Top	Bottom
blue clay	0	38
gravel	38	57
lime	57	285
shale	285	468
lime	468	555
crevices	555	560
broken lime & some sand	560	604
lime	604	796
St. Peter's sand	796	968
shale	968	983
lime top of red rock	983	1019
lime	1019	1040
red rock	1040	1042
lime	1042	1117
sandstone	1117	1130
lime	1130	1212
red rock	1212	1216
broken lime	1216	1232
green shale	1232	1246
lime (sandy)	1246	1295
sand	1295	1475
blue shale	1475	1560
broken lime (sandy)	1560	1578
red rock	1578	1590
gray shale	1590	1660
lime	1660	1725
(Mt. Simon) sandstone	1725	1825
blue shale	1825	1833
Silurian	260	
Maquoketa	285	
Galena	463	

Permit Date:

Permit #:

COMPANY Geiger, S. B.

FARM Automatic Electric Co.

DATE DRILLED October 1, 1956

NO. 1

ELEVATION 655' GL

COUNTY NO. 00114

LOCATION 2350'S line, 2020'E line of

LATITUDE 41.913420

LONGITUDE -87.910945

COUNTY Cook

API# 1203100114 00

31-40N-12E

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Platteville	680	
St Peter	790	
Glenwood	791	
Eminence	990	
Potosi	1070	
Franconia	1208	
Ironton	1288	
Galesville	1440	
Eau Claire	1470	
Mount Simon	1875	

Description by: T. C. Buschbach **on** 1/1/1957

Description	Top	Bottom
Soil, black	0.0	5.0
Till, grayish brown, calcareous, spores at top	5.0	40.0
Gravel, mostly dolomitic, white and chert	40.0	55.0
Dolomite, slightly cherty, light gray, little pale green, very fine	55.0	80.0
No sample	80.0	85.0
Dolomite, cherty, light cream, very fine	85.0	95.0
Dolomite, slightly cherty, light gray to pale green, very fine	95.0	105.0
Dolomite, slightly cherty, light gray to light grayish buff, very fine	105.0	180.0
Dolomite, light grayish buff to white, very fine, slight trace of pyrite and glauconite, siliceous foraminifera at base	180.0	215.0
Dolomite, light grayish buff to pale green, fine, trace of glauconite; little chert at base; little shale, pale green, weak at top	215.0	270.0
Dolomite, silty, finely sandy, light gray to grayish brown, some dark brown speckled	270.0	285.0
Shale, silty, dolomitic, greenish gray, weak; little dolomite, silty, greenish gray, very fine	285.0	345.0
Shale, silty, dolomitic, greenish gray to grayish brown; dolomite, silty, grayish brown, some black speckled	345.0	385.0
Dolomite, argillaceous, silty, grayish brown, fine to coarse	385.0	390.0

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Shale, silty, dolomitic, grayish brown, weak; little dolomite, silty, grayish brown	390.0	455.0
Shale, silty, brown, brittle, some green, weak; dolomite silty, grayish green to grayish brown, pyritic	455.0	463.0
Dolomite, light buff to buff, medium, some coarse	463.0	560.0
Dolomite, light gray to light buff, slightly altered, pyritic, abundant calcite crystals	560.0	575.0
Dolomite, grayish buff to buff, pyritic, abundant calcite crystals	575.0	630.0
Dolomite, light grayish buff, fine, few calcite cystals, slightly pyritic; some white clay material	630.0	660.0
Dolomite, partly calcareous, light gray to buff, fine to medium, few calcite crystals, slightly pyritic	660.0	680.0
Dolomite, calcareous, light gray to buff, fine to medium; powdered white, limestone, calcite crystals, pyrite, few fossil fragments	680.0	710.0
Limestone, dolomitic, some dolomite, calcareous, light gray to buff, very fine to coarse, fossiliferous, pyritic; powdered white limestone; calcite, crystals	710.0	730.0
Limestone, slightly dolomitic, light grayish buff, sublithographic, calcite crystals; powdered white, limestone	730.0	780.0
Dolomite, partly calcareous, brown, fine to medium, coated with powdered white limestone	780.0	790.0
Sandstone, partly dolomitic, white, fine to medium, few coarse	790.0	800.0
Sandstone, silty, white, very fine to coarse, incoherent	800.0	900.0
Sandstone, slightly silty, white, fine to coarse, incoherent, frosted	900.0	960.0
Sandstone, silty, white, very fine to coarse, rock flour	960.0	970.0
Chert, white, pink, orange, buff, partly oolitic; geodic quartz; some dolomite, coarse, light gray to pale purple	970.0	990.0
Dolomite, buff, fine to medium, crystalline	990.0	1005.0
Dolomite, partly sandy, white, light grayish buff, light brown, fine to medium, partly glauconitic; little shale, green, brittle; some chert, partly oolitic; at base few pieces sandstone, dolomitic	1005.0	1045.0
Dolomite, partly sandy, light gray to pink, very fine to medium, trace of glauconitic and sphalerite	1045.0	1090.0
No samples	1090.0	1115.0
Dolomite, light buffish gray, fine	1115.0	1120.0
No sample	1120.0	1125.0
Dolomite, light buff, very fine to fine, few quartz crystals	1125.0	1190.0

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Dolomite, light buff to pinkish brown, fine, slightly glauconitic, (fine) trace of sand at base	1190.0	1207.0
Dolomite sandy to sandstone, dolomitic, pale orange to reddish brown, glauconitic; little red and green shale, weak to brittle	1207.0	1220.0
Sandstone, dolomitic, slightly silty, fine to medium, pinkish gray to reddish brown, glauconitic; shale, pink and green, weak to brittle; little dolomite, sandy, pinkish gray	1220.0	1240.0
Sandstone, dolomitic, light greenish gray, fine, glauconitic shale, greenish gray, weak	1240.0	1275.0
Sandstone, dolomitic to dolomite, sandy, light greenish gray, fine, glauconitic; shale, light green and orangeish brown, weak	1275.0	1288.0
Sandstone, dolomitic, white, fine to very coarse, granules at top; dolomite, very sandy, pinkish buff to light buff	1288.0	1305.0
No sample	1305.0	1310.0
Sandstone, partly dolomitic, partly silty, fine to very coarse, incoherent	1310.0	1370.0
Sandstone, white, fine to coarse, clean	1370.0	1375.0
Sandstone, slightly silty, pale yellow, fine to coarse	1375.0	1395.0
Sandstone, silty, white to pale yellow, little pale pink at top, fine to medium	1395.0	1415.0
Sandstone, silty, white, fine to coarse	1415.0	1420.0
Sandstone, white, fine to coarse, clean	1420.0	1440.0
Sandstone, white to pale yellow, very fine to coarse	1440.0	1455.0
Sandstone, white to pale yellow, fine to coarse, trace of dolomite	1455.0	1470.0
Dolomite, sandy, argillaceous, brown, fine, little glauconitic and pyrite	1470.0	1480.0
Shale, silty, sandy, greenish gray, weak to brittle, glauconitic; little dolomite, as above; little dolomite, gray	1480.0	1490.0
Shale, greenish gray, weak; sandstone, dolomitic, fine, pinkish buff, slightly glauconitic; little pinkish shale at base	1490.0	1560.0
Sandstone, dolomitic, very fine to fine, pinkish buff to grayish buff, glauconitic; little dolomite, sandy, pale purple, fine; trace of shale, green	1560.0	1565.0
Shale, dolomitic, silty, red to pink, some green, weak, micaceous; little dolomite and sandstone as above	1565.0	1595.0
Shale, silty, green, weak to brittle, some pinkish; some beds of sandstone, dolomitic, fine, pinkish buff to light gray, glauconitic; little dolomite, sandy, light gray, fine	1595.0	1645.0
Dolomite, sandy, light buff to brown, fine to medium, glauconitic, pyritic	1645.0	1655.0

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Shale, red and light green weak; little dolomite, as above	1655.0	1660.0
Dolomite, sandy to little sandstone, dolomitic, buff to brownish gray, fine to medium, glauconitic, some shale, red and light green, weak	1660.0	1700.0
Dolomite, partly sandy, light gray to grayish brown, fine to medium, glauconitic, some very sandy and very glauconitic; some shale, green to gray, weak to brittle	1700.0	1720.0
Sandstone, white, very fine to medium, glauconitic, dolomite, light gray	1720.0	1725.0
Sandstone, white, medium to coarse, incoherent; little dolomite and glauconitic	1725.0	1735.0
Sandstone, white to light buff, very fine to medium, occasional coarse, incoherent, slight amount of dolomite at top and bottom	1735.0	1825.0
Shale, silty, greenish gray to gray weak; little dolomite, argillaceous, brownish gray to greenish gray	1825.0	1833.0

Total Depth **1833**

Casing: 30" from ' to 73'
 20" from 0' to 504'
 16" LINE SET from 983' to 951'

Temperature Survey filed.

Survey Sample Study filed.

Neutron Log filed.

Electric Log filed.

Driller's Log filed.

Caliper Log filed.

Sample set # 27117 0' - 1900' Received: 10/1/1956

Location source: Location from the driller

Verified by: VJA on 3/11/2024

[Imaged Log viewing help: New users please read this.](#)

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Cased Hole Log

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