

ILLINOIS STATE GEOLOGICAL SURVEY

Page 1

Water Well	Top	Bottom
black dirt	0	2
yellow clay	2	8
blue clay with stone	8	40
gravel	40	58
limestone	58	280
broken lime	280	284
shale	284	463
brown lime	463	790
sandstone, St. Peter	790	1092
red sand	1092	1204
lime	1204	1220
shale	1220	1262
sand, lime	1262	1292
sand	1292	1450
gray lime	1450	1465
sticky blue shale	1465	1660
black lime	1660	1713
sand	1713	1818
shale, hard	1818	1870
soft sand	1870	1900
Silurian	56	
Maquoketa	280	
Galena	463	
St Peter	783	
Ironton	1270	
Eau Claire	1452	
Mount Simon	1845	

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

Description	Top	Bottom
Soil, black	0.0	2.0

Permit Date: **Permit #:**

COMPANY Geiger, S. B.

FARM Automatic Electric Co.

DATE DRILLED October 1, 1956 **NO.** 2

ELEVATION 649' **TM** **COUNTY NO.** 00115

LOCATION 1580'S line, 2020'E line of

LATITUDE 41.911299 **LONGITUDE** -87.910866

COUNTY Cook **API#** 1203100115 00 **31-40N-12E**

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Page 2

Till, silty, calcareous, grayish brown, upper 6' yellowish brown, oxidized, leached.	2.0	40.0
Sand; gravel; dolomite, fresh	40.0	56.0
Dolomite, cherty, white to light gray, fine, dense	56.0	85.0
No sample	85.0	100.0
Dolomite, slightly cherty, white to light brownish gray, some pale green, fine	100.0	115.0
Dolomite, white to light gray, trace of porous chert	115.0	125.0
Dolomite, white, fine to medium, crystalline, partly vuggy, occasional trace of glauconite	125.0	175.0
Dolomite, light brownish gray, silty, slightly argillaceous, some very fine black specks	175.0	195.0
Dolomite, light pink, white, pale green, fine to medium, crystalline, siliceous foraminifera	195.0	205.0
Dolomite, white, some pale green to light buff, fine	205.0	230.0
Dolomite, light buff, fine, trace, of glauconite	230.0	265.0
Dolomite, light brown to brownish gray, silty, argillaceous, black speckled	265.0	280.0
Shale, silty, dolomitic, greenish gray, weak	280.0	290.0
Dolomite, partly silty, brown, gray, pink, fossiliferous; shale, as above	290.0	295.0
Shale, silty, dolomitic, greenish gray, weak; little dolomite, argillaceous, silty, gray	295.0	340.0
Shale, gray, slightly brown, dolomitic, silty, weak; dolomite, silty, argillaceous, grayish brown, some black speckled	340.0	355.0
Shale, silty, dolomitic, greenish gray, some brownish gray, weak; dolomite, silty, light gray to light grayish brown	355.0	395.0
Shale, silty, dolomitic, brownish gray, weak; little dolomite, silty, argillaceous; grayish brown; at base some shale, greenish gray, weak	395.0	460.0
Dolomite, light buff to buff, fine to medium	460.0	565.0
Dolomite, light grayish buff to buff, some black speckled, fine to coarse calcite crystals	565.0	590.0
Dolomite, partly calcareous, light grayish buff to buff, some black speckled, few calcite crystals	590.0	600.0
Dolomite, calcareous, light grayish buff, fine to medium, partly fossiliferous	600.0	630.0
Limestone, very dolomitic, light gray to light buff, very fine to medium, some coarse, fossiliferous, few reddish brown argillaceous partings	630.0	645.0

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Page 3

Limestone, dolomitic; to dolomite, calcareous, light gray to grayish buff, black speckled, fine to coarse, few calcite crystals	645.0	665.0
Limestone, dolomitic; to dolomite, calcareous, light buff to buff, fine to medium; trace of chert	665.0	680.0
Limestone, tan, sublithographic, partly fossiliferous; limestone, dolomitic; to dolomite, calcareous, light gray, fine to coarse	680.0	685.0
Dolomite, grayish brown, fine, becomes calcareous at base	685.0	713.0
Limestone, partly dolomitic, light gray to light brownish gray, sublithographic to very fine, some partly fossiliferous	713.0	740.0
Limestone, partly slightly dolomitic, light grayish brown to tan, sublithographic, some coarse, fossiliferous	740.0	753.0
Dolomite, partly calcareous, light gray to light brownish gray, fine; some limestone, light gray to light grayish brown, sublithographic	753.0	773.0
Dolomite, very calcareous, cream to buff, very fine to medium, sandy at base	773.0	783.0
Sandstone, dolomitic, argillaceous, pyritic, gray, fine and coarse, poorly sorted, subangular	783.0	790.0
Sandstone, white, fine to coarse, partly frosted	790.0	795.0
Sandstone, partly silty, white, very fine to coarse, partly frosted, incoherent	795.0	835.0
Sandstone, silty, white, very fine to fine, few medium, incoherent	835.0	840.0
Sandstone, silty to slightly silty, white, very fine to coarse, frosted, incoherent	840.0	885.0
Sandstone, partly silty, white, very fine to coarse, some siliceous cementing at base	885.0	1020.0
Sandstone, white, very fine to coarse, frosted, incoherent	1020.0	1075.0
Sandstone, silty at top, pink to light red, very fine to coarse, incoherent, some very coarse grains near base	1075.0	1190.0
Sandstone, silty, very fine to coarse; shale, red, green, purple, weak to brittle	1190.0	1195.0
Shale, silty, finely sandy, red, green, weak, glauconitic	1195.0	1200.0
Sandstone, very dolomitic, red and pinkish buff, fine to coarse, coherent, glauconitic; shale, light green, weak to brittle	1200.0	1220.0
Sandstone, white, fine, glauconitic, incoherent; shale, light greenish gray, weak, considerable siltstone	1220.0	1225.0
Sandstone, very dolomitic to dolomite, sandy, greenish gray to light gray, fine, glauconitic; shale, silty, finely sandy, light greenish gray, weak	1225.0	1270.0
Sandstone, slightly dolomitic, slightly silty, white, fine to coarse, some very coarse, few pieces dolomite, partly sandy, pinkish buff	1270.0	1300.0
Sandstone, slightly silty, very fine to very coarse, incoherent	1300.0	1350.0

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Page 4

Sandstone, white, fine to coarse, clean	1350.0	1385.0
Sandstone, dolomitic, silty, light buff, very fine to coarse	1385.0	1405.0
Sandstone, slightly dolomitic at top, white, fine to coarse, little very fine and very coarse, clean, incoherent, well sorted	1405.0	1452.0
Dolomite, sandy to very sandy, argillaceous, brown, fine; sandstone, dolomitic, gray, very fine; at base some shale, greenish gray, weak	1452.0	1470.0
Shale, silty, greenish gray, weak, partly glauconitic; little dolomite, sandy, light gray, glauconitic	1470.0	1490.0
Sandstone, dolomitic, pinkish buff to buff, very fine, very glauconitic; shale, green to gray, brittle, micaceous, pyritic	1490.0	1500.0
Shale, silty, greenish gray, some red in lower 15'; weak, partly glauconitic; little sandstone, dolomitic, pinkish buff, very fine	1500.0	1550.0
Shale, silty, reddish brown, trace of greenish gray, weak to brittle	1550.0	1582.0
Shale, silty, greenish gray, little reddish brown, weak; little sandstone, dolomitic, very fine, glauconitic	1582.0	1610.0
Sandstone, dolomitic, light greenish gray, fine to medium, glauconitic; shale silty, greenish gray, weak, glauconitic	1610.0	1625.0
Sandstone, dolomitic; to dolomite, sandy, grayish buff to light gray, fine, slightly glauconitic, some shale, silty, greenish gray, weak to brittle	1625.0	1660.0
Dolomite, partly sandy, light gray to grayish brown, fine to medium, glauconitic; at base, little shale, light greenish gray, weak	1660.0	1695.0
Sandstone, partly dolomitic, slightly silty, white to light buff, very fine to medium, incoherent to friable, glauconitic	1695.0	1820.0
Shale, gray, weak; sandstone, as above; little dolomite, argillaceous, gray, very fine, pyritic	1820.0	1825.0
Sandstone, as above, very iron-stained	1825.0	1835.0
Sandstone, light gray, fine to medium, some coarse, "sooty", incoherent	1835.0	1845.0
Sandstone, light gray, very fine to very coarse, some granules, "sooty", incoherent	1845.0	1865.0
Sandstone, red, (iron stained), fine to very coarse, few granules, sizes below coarse are sub-rounded to subangular, incoherent	1865.0	1895.0
Sandstone, white, very fine to medium, few coarse, sub-angular, incoherent	1895.0	1900.0

Total Depth

1900

Casing: 30" from 0' to 58'
 20" from 0' to 512'
 16" from 1213' to 1280'
 12" from 1463' to 1722'

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Page 5

10" from 1808' to 1878'

Caliper Log filed.

Temperature Survey filed.

Temperature Survey filed.

Survey Sample Study filed.

Nuclear Log filed.

Neutron Log filed.

Electric Log filed.

Electric Log filed.

Driller's Log filed.

Caliper Log filed.

Sample set # 27118 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.](#)

GET FILE	Cased Hole Log
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GET FILE	Core Study
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