

ILLINOIS STATE GEOLOGICAL SURVEY

Page 1

Water Well	Top	Bottom
clay	0	30
chalk & soapstone	30	325
gray lime	325	400
yellow lime	400	455
dolomite limestone	455	655
shale	655	710
Maquoketa	640	

Description by: **Emrich, G.H.** **on 10/1/1957**

Description	Top	Bottom
"Clay"	0.0	30.0
"Chalk and soapstone"	30.0	40.0
Till, slightly sandy, slightly gravely, brownish-gray, slightly calcareous	40.0	55.0
Till, sandy, yellowish-buff, oxidized leached	55.0	59.0
Till, slightly sandy, brownish-gray, calcareous	59.0	70.0
Shale, slightly calcareous, black, brittle to weak, laminated	70.0	103.0
Coal	103.0	104.0
Shale, slightly calcareous, light gray to light buffish-gray, weak to brittle, micaceous	104.0	112.0
Coal	112.0	115.0
Shale, calcareous, brownish-gray to gray weak to brittle	115.0	145.0
Shale, slightly calcareous, light gray to gray, weak, little brittle	145.0	165.0
Coal(?)	165.0	166.0
Shale, white to light gray, weak to brittle	166.0	170.0
Shale, gray to brownish-gray, brittle to weak	170.0	189.0
Shale, slightly sandy, light buff, weak to brittle	189.0	200.0
Shale, gray to black, weak to brittle	200.0	220.0
Shale, light buff to light gray, weak	220.0	232.0

Permit Date:

Permit #:

COMPANY Peerless Service Co

FARM Henderson, Village of

DATE DRILLED January 1, 1957

NO.

ELEVATION 760' TM

COUNTY NO. 00173

LOCATION 1180'N line, 400'W line of

LATITUDE 41.089690

LONGITUDE -90.475698

COUNTY Mercer

API# 1213100173 00

26-13N-1W

ILLINOIS STATE GEOLOGICAL SURVEY

Page 2

Shale, gray to brownish-gray, weak to brittle	232.0	250.0
Shale, light gray to gray, weak, little brittle	250.0	263.0
Shale, brownish-gray to brown, weak to brittle, spores	263.0	275.0
Shale, brown to grayish-brown, tough to brittle, spores	275.0	298.0
Shale, light greenish-gray to light grayish-brown, weak to brittle	298.0	302.0
Shale, brown to grayish-brown, weak to brittle, spores	302.0	315.0
No samples	315.0	320.0
Shale, brown to grayish brown, tough to brittle spores	320.0	325.0
Dolomite, light brown to grayish-brown, very fine to fine, crystalline	325.0	335.0
No sample	335.0	340.0
Dolomite, silty, light brown to buffish-gray, very fine to fine, crystalline	340.0	360.0
Dolomite, very argillaceous, silty, light buffish-gray to buffish-gray, very fine, granular	360.0	400.0
Dolomite, calcareous, brown, very fine to fine, crystalline	400.0	405.0
Limestone, slightly dolomitic, slightly silty, buff to brownish-buff, very fine to fine, crystalline	405.0	430.0
Limestone, slightly dolomitic, silty, grayish-brown to brownish-gray, very fine, crystalline	430.0	465.0
Limestone, light gray to buff, very fine to extra fine	465.0	475.0
Dolomite, slightly silty, buff to brownish-gray, very fine to fine crystalline	475.0	495.0
Dolomite, white to light gray, little gray, very fine to fine, crystalline	495.0	500.0
No sample	500.0	505.0
Dolomite, light gray, little gray, very fine to medium, little coarse, crystalline	505.0	540.0
Dolomite, light gray, little gray, very fine to fine, little, medium, crystalline	540.0	565.0
Dolomite, light buffish-gray to light gray, very fine to fine, crystalline	565.0	600.0
Dolomite, slightly silty, light buff to gray, very fine to fine, little medium, crystalline	600.0	620.0
Dolomite, light buff to grayish-buff, very fine to medium, crystalline	620.0	630.0
Dolomite, slightly silty, light grayish-buff to gray, very fine to fine, crystalline	630.0	640.0

Permit Date:

Permit #:

COMPANY Peerless Service Co

FARM Henderson, Village of

DATE DRILLED January 1, 1957

NO.

ELEVATION 760' TM

COUNTY NO. 00173

LOCATION 1180'N line, 400'W line of

LATITUDE 41.089690

LONGITUDE -90.475698

COUNTY Mercer

API# 1213100173 00

26-13N-1W

ILLINOIS STATE GEOLOGICAL SURVEY

Page 3

Shale, slightly dolomitic, brownish-gray, weak, little brittle; little dolomite, very silty, brownish-gray, very fine	640.0	650.0
Shale, slightly dolomitic, gray to greenish-gray, weak, little brittle; little dolomite, very silty, gray, very fine, granular	650.0	670.0
Shale, slightly dolomitic, gray to brownish-gray, weak, little brittle	670.0	675.0
Shale, slightly dolomitic, gray to greenish-gray, weak, little brittle	675.0	710.0

Total Depth **710**

Casing: 8" from 0' to 325'

Size hole below casing: 8"

Water from dolomite limestone at 455' to 655'

Static level 256' below casing top which is ' above GL

Pumping level 266' when pumping at 52 gpm for 2 hr(s)

Permanent pump installed at ' on , with a capacity of gpm

Survey Sample Study filed.

Driller's Log filed.

Sample set # 30260 40' - 710' Received: 10/2/1957

Location source: Location from the driller

Permit Date:

Permit #:

COMPANY Peerless Service Co

FARM Henderson, Village of

DATE DRILLED January 1, 1957

NO.

ELEVATION 760' TM

COUNTY NO. 00173

LOCATION 1180'N line, 400'W line of

LATITUDE 41.089690

LONGITUDE -90.475698

COUNTY Mercer

API# 1213100173 00

26-13N-1W