

ILLINOIS STATE GEOLOGICAL SURVEY

Page 1

Water Well	Top	Bottom
clay	0	15
rock	15	25
limestone	25	40
rock	40	70
limestone	70	174
shale	174	194
sand	194	229
lime	229	635
shale	635	672
lime & shale	672	692
shale	692	707
shale & limestone	707	722
sand	722	866
lime, blue, sand and little shale	866	890
lime	890	940
red rock	940	950
lime	950	960
red sand	960	965
lime	965	970
sand	970	980
lime, hard	980	990
sand	990	1000
lime	1000	1003
sand	1003	1014
sand, brown	1014	1025
sand	1025	1075
lime & sand	1075	1085
sand	1085	1095
lime & sand	1095	1105
sand	1105	1340
shale, red sandy	1340	1348

Permit Date:

Permit #:

COMPANY Thorne W L

FARM Kable Brothers

DATE DRILLED January 1, 1938

NO. 2

ELEVATION 895' TM

COUNTY NO. 00874

LOCATION 1250'N line, 500'E line of

LATITUDE 42.053228

LONGITUDE -89.433388

COUNTY Ogle

API# 1214100874 00

27-24N-9E

ILLINOIS STATE GEOLOGICAL SURVEY

Page 2

sand	1348	1358
shale, red, & sand	1358	1368
sand	1368	1378
sand, red	1378	1388
red rock	1388	1398
shale, red	1398	1408
red rock	1408	1415
sand; red shale	1415	1423
red rock	1423	1428

Description by: D. G. Sutton **on** 1/1/1938

No studied date

Description	Top	Bottom
"Clay"	0.0	15.0
"Rock"	15.0	24.0
Dolomite, cherty, buff to light gray, medium	24.0	25.0
"Limestone"	25.0	30.0
Dolomite, as above	30.0	80.0
Dolomite, cherty, light gray, medium, some brownish-gray	80.0	105.0
Dolomite, cherty, medium gray to brownish-gray, medium	105.0	120.0
Dolomite, light gray, mottled brown, medium	120.0	140.0
Dolomite, cherty, light gray to gray, brownish-gray, fine	140.0	175.0
Shale, grayish-brown, weak, sandy at base	175.0	185.0
Sandstone, white, fine to coarse, incoherent	185.0	205.0
Sandstone, white, fine to medium, incoherent	205.0	225.0
Sandstone, argillaceous, white, to gray, fine to coarse, coherent; yellowish-brown shale	225.0	230.0
Sandstone, argillaceous, white to light gray, fine to coarse, partly coherent; some dolomite, yellow, sandy, fine	230.0	235.0
Dolomite, sandy, light to medium gray, fine to medium	235.0	240.0

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Page 3

Dolomite, medium gray, very fine; dolomite, as above; sandstone, dolomitic, white, fine to medium, coherent	240.0	255.0
Dolomite, cherty, sandy, white to very light gray to light buff, fine to very fine; chert, white, oolitic, sandy	255.0	270.0
Dolomite, cherty, sandy, white to very light gray, very fine to fine	270.0	285.0
Dolomite, very cherty, white, to light buff-gray, fine to medium; chert, oolitic, gray	285.0	290.0
Dolomite, sandy, white to medium gray, very fine to fine	290.0	300.0
Chert, partly sandy, partly oolitic, white to medium gray; some dolomite, as above; shale, silty, gray, weak to flaky	300.0	305.0
Shale, as above; shale, sandy, dark brownish-gray; dolomite, sandy, cherty, buff-gray to light gray, very fine to fine	305.0	310.0
Shale, sandy, medium gray; dolomite, partly sandy, cherty, white to light gray, very fine	310.0	315.0
Dolomite, as above, few pieces sandy	315.0	325.0
"Lime"	325.0	330.0
Dolomite, white to very light gray, very fine to fine	330.0	340.0
Dolomite, cherty, white to very light gray, fine, some sandy	340.0	360.0
Dolomite, white to light gray, medium partly cherty	360.0	380.0
"Lime"	380.0	395.0
Dolomite, cherty, white to light brownish-gray, very fine to medium	395.0	400.0
"Lime"	400.0	420.0
Dolomite, cherty, white to light brownish-gray, fine to medium	420.0	425.0
"Lime"	425.0	450.0
Dolomite, slightly cherty, white to light brownish-gray, fine to medium	450.0	460.0
"Lime"	460.0	495.0
Dolomite, cherty, sandy, white to light gray, fine to medium	495.0	500.0
"Lime"	500.0	600.0
Dolomite, slightly sandy, slightly cherty, white to light brownish-gray, fine	600.0	635.0
Sandstone, slightly calcareous, glauconitic, greenish-gray, fine, partly coherent; shale, greenish-gray, weak	635.0	645.0
Shale, sandy, slightly calcareous, green, very weak; sandstone as above	645.0	675.0

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Page 4

No shale	675.0	680.0
Shale, slightly calcareous, sandy, green to grayish-green, weak; sandstone, slightly calcareous, medium gray to greenish-gray, fine, coherent, glauconitic	680.0	700.0
Shale, sandy, calcareous, medium gray to reddish-brown, weak; sandstone, calcareous, glauconitic, red to grayish-green, fine to medium, coherent; some chert and dolomite	700.0	710.0
Shale, calcareous, sandy, grayish-green to green, weak; sandstone, calcareous, glauconitic, greenish-gray, very fine to fine, coherent	710.0	725.0
Sandstone, white to light buff, medium to coarse, incoherent; sandstone, calcareous, white to light reddish-gray, coherent at top (very little)	725.0	750.0
Sandstone, white, fine to coarse, incoherent	750.0	775.0
Dolomite, partly sandy, white to light gray, very fine	775.0	780.0
Dolomite, cherty, white to very light gray, fine	780.0	785.0
Dolomite, cherty, sandy, white to light gray, fine; sandstone, white, fine to medium, some coarse, incoherent	785.0	790.0
Sandstone, as above; dolomite probably caved (dolomite fairly abundant at 825')	790.0	865.0
Sandstone, dolomitic, glauconitic, gray, very fine; shale, sandy, red, mottled white, very hard; chert; shale, sandy, gray	865.0	880.0
Sandstone, as above; shale, caved	880.0	890.0
Sandstone, as above; shale, sandy, gray, micaceous	890.0	900.0
Same; some dolomite, sandy, cherty, light gray to gray, fine to medium	900.0	925.0
Sandstone, dolomite, shale, as above; shale, calcareous, gray, weak	925.0	935.0
Sandstone, dolomitic, glauconitic, brownish-gray, fine, coherent; dolomite, sandy, light gray to gray, fine to medium	935.0	965.0
Sandstone, white to light buff, medium to coarse, incoherent	965.0	990.0
Sandstone, dolomitic, glauconitic, gray, fine, coherent; shale, dolomitic, sandy, gray; dolomite, sandy, light gray to gray, fine to medium	990.0	1000.0
Sandstone, dolomitic, white, to light gray, medium to coarse, partly coherent; dolomite, sandy, light gray to brownish-gray, medium	1000.0	1005.0
Sandstone, white, medium to coarse, incoherent; dolomite, sandy, light gray to buff, fine	1005.0	1020.0
"Sand, brown"	1020.0	1025.0
"Sand"	1025.0	1075.0
"Lime and sand"	1075.0	1085.0

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Page 5

"Sand"	1085.0	1095.0
"Lime and sand"	1095.0	1105.0
"Sand"	1105.0	1340.0
"Shale, red, sandy"	1340.0	1348.0
"Sand"	1348.0	1358.0
"Shale, red, and sand"	1358.0	1368.0
"Sand"	1368.0	1378.0
"Sand, red"	1378.0	1388.0
"Red rock"	1388.0	1398.0
"Shale, red"	1398.0	1408.0
"Red rock"	1408.0	1415.0
"Sand; red shale"	1415.0	1423.0
"Red rock"	1423.0	1428.0
No record	1428.0	1434.3

Total Depth **1434**

Casing: 16" from 0' to 27'
 12" 30' from ' to '
 10" 125' from ' to '

Static level 180' below casing top which is ' above GL

Pumping level 178' when pumping at 820 gpm for hr(s)

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

Survey Sample Study filed.

Driller's Log filed.

Sample set # 2028 25' - 1020' Received: 1/1/1938

Location source: Location from the driller

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Page 6

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