

ILLINOIS STATE GEOLOGICAL SURVEY

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Water Well	Top	Bottom
clay, yellow	0	7
limestone, brown, soft	7	12
limestone, brown	12	55
limestone, gray	55	100
limestone, gray, going into shale	100	105
shale, grayish -blue	105	230
limestone, dark gray	230	252
limestone, gray	252	320
limestone, grayish-brown	320	355
limestone, gray	355	445

Description by: Anne M. Graese on 6/4/1981

The samples are somewhat mixed

Description	Top	Bottom
Dolomite, light olive gray (5Y 6/1), slightly mottled and speckled dark gray (N3), argillaceous, very fine to fine grained, slightly pyritic	100.0	105.0
Same as above; trace greenish gray (5 GY 6/1), shale, weak, dolomitic	105.0	115.0
Shale, light greenish gray (5GY 6/1), greenish gray (5 GY 6/1), weak, dolomitic, silty; trace dolomite as above, slightly fossiliferous, pyritic very fine to medium grained; trace greenish gray (5 GY 6/1), dolomitic very fine to fine grained, argillaceous, silty	105.0	135.0
Shale, greenish gray (5GY 6/1) to dark greenish gray (5 GY 4/1), weak, trace moderately hard, dolomitic, slightly silty; trace dolomitic, greenish gray (5 GY 6/1), silty, argillaceous, very fine to fine grained, silty, argillaceous	115.0	125.0
Shale, light greenish gray (5 GY 8/1), trace light olive gray (5Y 6/1), weak dolomitic, silty; trace dolomite, yellowish gray (5Y 8/1), mottled with dark gray (N3), very fine to medium grained	125.0	130.0
Shale, light greenish gray (5GY 6/1), trace light olive gray (5Y 6/1) to olive gray, (5Y 4/1) weak, silty, dolomitic; some dolomite as above	135.0	150.0
Shale as above	150.0	160.0
Shale, as above; trace dolomite, yellowish gray (5Y 8/1), slightly speckled and mottled dark gray (N3), to medium dark gray (N4), very fine to medium grained, slightly fossiliferous (brachiopod, crinoid), slightly pyritic	160.0	165.0
Shale as above; trace dolomitic, greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1), dolomitic, very fine to fine grained, argillaceous, silty; trace dolomite as above, bryozoan	165.0	170.0

Permit Date: January 7, 1941

Permit #:

COMPANY Varner C W

FARM Snavely, Moros

DATE DRILLED January 1, 1941

NO.

ELEVATION 0'

COUNTY NO. 00955

LOCATION 600'N line, 860'W line of NE

LATITUDE 42.168670

LONGITUDE -89.674383

COUNTY Ogle

API# 1214100955 00

15-25N-7E

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Shale as above; trace dolomite as above, brachiopod	170.0	175.0
Shale as above, light olive gray (5Y 4/1) to olive gray (5Y 4/1), weak, dolomitic, trace greenish gray (5 GY 6/1); trace dolomite olive gray 5Y 4/1), very fine to fine grained, argillaceous	175.0	180.0
Shale, as above, weak to moderately hard, silty; trace dolomite as above	180.0	185.0
Shale, greenish gray (5 GY 6/1), weak, silty, dolomitic, trace olive gray (5Y 4/1); trace dolomite as above	185.0	190.0
Shale, greenish gray (5 GY 6/1) as above	190.0	195.0
Shale, olive gray (5Y 4/1), weak to moderately hard, dolomitic, trace greenish gray (5GY 6/1), same as above; trace dolomite as above	195.0	230.0
Dolomite, very pale orange (10YR 8/2) to pale yellowish orange (10YR 6/2), fine to medium grained, relatively pure, slightly mottled with medium gray (N5)	230.0	345.0

Total Depth **445**

Casing: 8" from ' to 23'

Driller's Log filed.

Sample set # 5664 7' - 445' Received: 2/10/1941

Location source: Location from the driller

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