

ILLINOIS STATE GEOLOGICAL SURVEY

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Water Well	Top	Bottom
SS #60351	0	0
clay w/gravel seams	0	25
gray hard limestone	25	230
gray shale	230	290
gray hard dolomite	290	360
brown hard dolomite	360	370
gray hard dolomite	370	390
brown hard dolomite	390	495
gray hard dolomite	495	635
pink sandstone	635	650
white medium sandstone	650	748
green shale w/line shells	748	765
gray medium dolomite	765	775
sticky, rotten shale	775	785
sandy dolomite	785	790
gry hrd dol (shale streaks 946'-950')	790	1055
red hard dolomite	1055	1080
gray hard dolomite	1080	1125
green hard dolomite	1125	1150
green sandy shaley dolomite	1150	1170
shaley sandstone	1170	1195
dolomite & sandy shale mixed	1195	1240
gray hard sandstone	1240	1340
gray medium sandstone	1340	1355
gray soft sandstone	1355	1400
gray medium sandstone	1400	1430
shale	1430	1441

Description by: Anne M. Graese **on** 2/11/1981

Description	Top	Bottom
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Permit Date: May 15, 1975 **Permit #:** 37751

COMPANY Brooks, Rollin W.

FARM Naperville, City of

DATE DRILLED September 17, 1975 **NO.** 21

ELEVATION 645' **COUNTY NO.** 25101

LOCATION 1800'N line, 450'E line of

LATITUDE 41.700838 **LONGITUDE** -88.164960

COUNTY Will **API#** 1219725101 00 **12-37N-9E**

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SILURIAN SYSTEM - Crystalline dolomite, yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), very fine grained, slightly argillaceous, very cherty; trace greenish gray (5 GY 6/1), (145' - 150'); shale (135' - 145'), weak, platy to conchoidal fracture.	125.0	150.0
ORDOVICIAN SYSTEM	150.0	300.0
Maquoketa Group	150.0	213.0
Brainard Shale, Fort Atkinson (?) - Lime grainstone to packstone, yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), some mottled with olive gray (5Y 4/1), dark gray (N3), speckled, medium grained, fossiliferous (brachiopods), looks like Fort Atkinson Lithology	150.0	155.0
Crystalline dolomite, yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), very fine grained, pure (Silurian lithology); some dark greenish gray (5GY 4/1 to 5G 4/1) and greenish gray (5GY 6/1), calcareous shale and argillaceous limestone	155.0	160.0
Same as 150' to 155'	160.0	170.0
Crystalline dolomite (60%), Silurian lithology; shale (40%), dark greenish gray (5GY 4/1 to 5G 4/1), some grayish blue green (5BG 5/2), weak to moderately hard, calcareous, silty	170.0	175.0
Crystalline dolomite (80%), Silurian lithology; shale (10%), same as above; limestone (10%), dark greenish gray (5GY 4/1 to 5G 4/1), argillaceous	175.0	185.0
Crystalline dolomite (20%), same as above; shale and limestone (40%), same as above, trace light olive gray (5Y 6/1), shale; limestone, (40%) - Fort Atkinson Lithology, yellowish gray (5Y 8/1) medium to coarse grained, dark gray (N3), speckled, pure, slightly fossiliferous (crinoids, bryozoans)	185.0	190.0
Shale (60%), greenish gray (5GY 6/1), dark greenish gray (5GY 4/1 to 5G 4/1), calcareous, silty; limestone (40%), Fort Atkinson lithology. Light olive gray (5Y 6/1), greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1 to 5G 4/1), medium grained, dark gray (N3), speckled lime, grainstone to packstone, yellowish gray (5Y 8/1) to light olive gray (5Y 6/1), abundantly dark gray (N3), speckled and mottled, pyritic, fossiliferous (crinoids, brachiopods), relatively pure; trace olive gray (5Y 4/1), shale, moderately hard, calcareous	195.0	213.0
Scales Shale	213.0	235.0
Lime packstone to wackestone, olive gray (5Y 4/1), very fine grained, very argillaceous, silty; some shale, olive gray (5Y 4/1), silty, hard, calcareous	213.0	215.0
Lime packstone to wackestone, same as above, fossiliferous (bryozoans); trace shale, same as above, moderately hard	215.0	220.0
Lime packstone to wackestone, same as above, slightly mottled dark gray (N3), abundant brachiopods, conodonts; trace shale, same as above	220.0	235.0
Shale, olive gray (5Y 4/1), weak to moderately hard, conchoidal fracture	235.0	

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