

ILLINOIS STATE GEOLOGICAL SURVEY

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Water Well	Top	Bottom
clay, yellow, silty	0	5
sand, brown, fine	5	20
sand, brown, fine to medium	20	45
sand, brown, medium to coarse	45	50
sand, gray, coarse with gravel to 2"	50	65
sand, gray, coarse with gravel to 1"	65	70
sand, gray, coarse with gravel to 1/2"	70	75
sand, gray, medium to coarse	75	80
sand, gray, fine to medium	80	85
sand, gray, medium to coarse	85	95
sand, gray, fine to coarse	95	105
sand, gray, very coarse with gravel to 2"	105	110
sand, gray, coarse with gravel to 1"	110	117
sand, gray, fine to medium	117	125

Description by: J.M. Masters on 2/1/1976

Description	Top	Bottom
Silt, sandy, moderately yellow to brown, non-calcareous	0.0	5.0
Sand, variable (fine to coarse), very clean, very pale yellow to gray, non-calcareous	5.0	45.0
Sand, as above, gravel, 5% up to 45%, predominately chert, igneous and metamorphic rocks	45.0	55.0
Sand and gravel, as above, very slightly calcareous, very pale gray	55.0	75.0
Sand, as above, moderately calcareous, gravel +/- 5% as above	75.0	80.0
Sand, medium to fine, as above	80.0	85.0
Sand, variable (fine to coarse), clean, as above, gravel, 5-15% as above	85.0	105.0
Sand, medium, poorly sorted, silty slightly calcareous, very pale gray to orange; Gravel, 5% up to 45%, predominately chert, igneous and metamorphic rocks, some rotten looking limestone, and calcareous, silty, clay balls	105.0	117.0
Sand, medium to fine, clean, moderately calcareous, very pale gray	117.0	125.0

Permit Date: December 2, 1975 **Permit #:** 43507

COMPANY Luhr Brothers, Inc.

FARM Horseshoe Lake Consv. Area

DATE DRILLED January 7, 1976 **NO.** 1

ELEVATION 0' **COUNTY NO.** 20149

LOCATION 1000'S line, 150'W line of SW

LATITUDE 37.147668 **LONGITUDE** -89.342096

COUNTY Alexander **API#** 1200320149 00 **4-16S-2W**

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Total Depth	125
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Casing: 8" BLACK STEEL from -2' to 107'

Screen: 10' of 8" diameter slot

Water from sand at 0' to 0'

Static level 12' below casing top which is 2' above GL

Pumping level 19' when pumping at 313 gpm for 2 hr(s)

Permanent pump installed at 0' on , with a capacity of 0 gpm

Remarks: Wildlife water supply - banding station

Survey Sample Study filed.

Driller's Log filed.

Sample set # 60205 0' - 125' Received: 2/25/1976

Location source: Platbook verified

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