

Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal 2" Vertical 25'	Position of seals, screens, static level, etc.
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Pleistocene

0-68
Blue-White Clay
68-70 Quick sand
70-106 Blue Clay
106-117 Quick sand
117-235
Blue Clay

Kinderhook

Shale

235-242 Sand & Gravel
242-360
W. Shale
360-385 Br. Shale
385-435
Bl. Shale

Devonian
Lime

435-475
Br. Lime
475-527
Gr. Lime
527-563
Br. & Gr. Lime

Maquoketa
Shale

563-763
Blue
Brown
Shale Blue
Brown
Blue

Galena

763-1090
Brown
Brown
Hard Gray
Lime Brown
Brown
Gray

St Peter
Sandstone

1090-1211
Bl. Shale
Wh. Sandstone

Oneta
Limestone

1211-1365
Bl Shale
Rd. & Gr. Lime
Wh. Sandstone
1365-1808
Rd Lime
Wh. Sandstone
Gr. Lime
Wh. Sandstone
Gr. Lime
Pink Lime

256' - 14" wrt I pipe

610' - 10" wrt I pipe

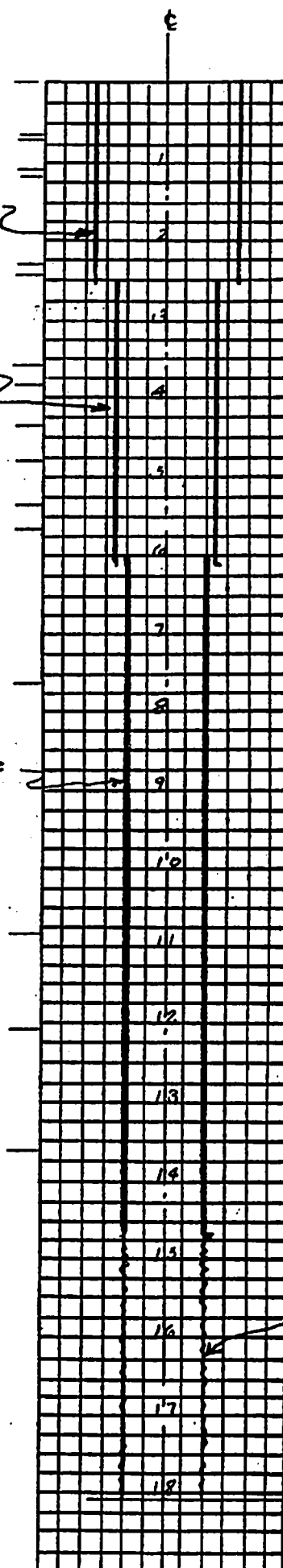
1470' - 8" wrt pipe

- Ground
Bottom of Pit

Static Level - 126'

Open hole

Bottom 1808



GROUND WATER

Town Washington County Washington Date 7-3- 1941
 WELL NO. 3 Active Yes Standby _____ Abandoned _____ Replaced by No. _____
 LOCATION: Street _____ Sec. 17 T. 75 N.R. 7 1/4 West
 Lot 6 Block 9 Township Washington
 OWNERSHIP Municipal Date Installed Aug. 1998
 CONTRACTOR C. P. Brandt Address Indianapolis, Indiana
 DATE RECONDITIONED 19 Contractor _____ Address _____
 CONSTRUCTION EMPLOYED: _____

 CURB ELEVATION 738 REFERENCE Iowa Geological Survey Vol. 21
 TYPE OF CONSTRUCTION Drilled Depth 1808 ft. Diameter 14 in.
 CASING: Material Wrought iron Condition Questionable
 SCREEN: Material _____ Length _____ ft. Diameter _____ in. Slot Opening _____ in.
 WELL SEALED Yes How Special fitting air lift Approved yes
 WELL VENTED _____ How _____ Approved _____
 TYPE OF PUMP air lift Make Sullivan Compressor Capacity 300 GPM Lubricated _____
 DEPTH TO CYLINDER _____ ft. Tail Pipe _____ ft.
 PUMP CONTROL: Manual Yes Automatic _____ Semi-Automatic _____
 STATIC LEVEL 126 ft. Pumping Level _____ ft. Drawdown _____ ft.
 OPTIMUM SPECIFIC YIELD 320 GPM Drawdown _____ ft. Time 24 hrs.
 RATE OF DRAWDOWN _____ Rate of Recovery _____
 TEMPERATURE OF WATER _____ °F Where Measured _____ Temp. of Atmosphere _____ °F
 DRAWDOWN GAUGE INSTALLED No
 TOPOGRAPHICAL POSITION OF WELL Upland
 WELL SITE INVESTIGATED _____ Approved _____ Why not _____
 WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____
 PIT CONSTRUCTION: Purpose Well Size and Description 8'x10'x9' concrete lined,
Top of pit at ground level
 CONDITION: Good Drainage Facilities _____
 PUMP INSTALLATION: Approved Yes Why Not _____
 CUTTINGS FROM WELL PRESERVED: Yes Where I.G.S. & in pump station
 DEPTH TO BED ROCK _____ Depth to Water-bearing Stratum _____
 SOURCE OF WATER: Principal Formation St. Lawrence Other Jordan

 Total Hardness _____ ppm. Total Iron _____ ppm. Sulfates _____ ppm. Fluorine _____ ppm.
 Manganese _____ ppm. pH _____ CO₂ _____ ppm.