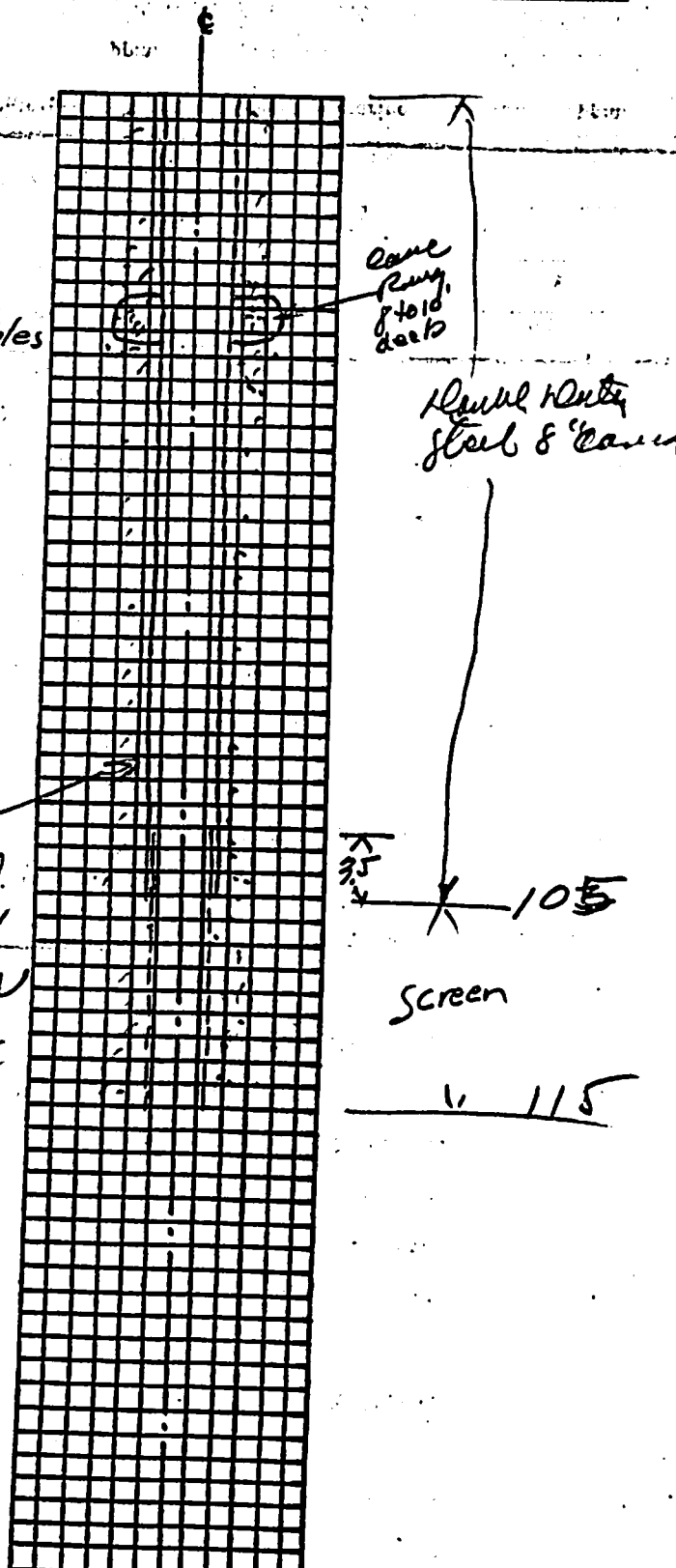


GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scales Horizontal _____ Vertical _____	Position of seals, screens, static level, etc.

0 to 2 = Top Soil
 2 to 6 = Yellow Clay
 6 to 13 = Green + Blue clay mixed with small pebbles
 13 to 30 = Blue clay mixed with pebbles
 30 to 55 = Blue clay " " "
 55 on no samples.
 55 to 105 Blue Clay & shale.
 105 to 106 Top of sand stone
 107 - Bottom of sand stone
 107 to 114 Fine white sand.
 114 Top of Lime rock
 115 Bottom of Hole.

pos
 ground
 appear
 b/w
 114



12" casing pulled up 2 ft and sea gravel put in between screen + 12" casing - Pumping started + casing pulled up as 12" casing was pulled + gravel filled up to bottom. 6" - 12" casing then pulled completely out. Then pulled 16" up to bottom of 20" casing gravel as raised up. 16" then taken out. Then filled gravel in or 20" was pulled. Case being GROUND WATER placed on top of gravel at 8 to 10'

IOWA STATE DEPARTMENT OF HEALTH

DIVISION OF PUBLIC HEALTH ENGINEERING AND INDUSTRIAL HYGIENE

GROUND WATER

Town _____ County _____ Date Mar 29 1949

WELL NO. 2 (New) Active No Complete Standby Abandoned Replaced by No. _____

LOCATION: Street 60' NE of old well Sec. _____ T. _____ N.R. _____ East: West _____

Lot _____ Block _____ Township _____

OWNERSHIP West Bend Date Installed Mar 15 1949

CONTRACTOR T. W. Co Address 0129

DATE RECONDITIONED _____ 19____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: ^{How Well} 20" outer casing 12' deep - 16" casing inside 20" from top to 25' depth - 12" casing inside 16" from top to bottom. 8" casing (permanently) inside 12" from top to a point 13' from bottom or from 0 to 105' - From 105' to 115' a 6" bronze screen with 45' of 6" casing on top overlapping 3' into 8"

CURB ELEVATION _____ REFERENCE 2' above high water level

TYPE OF CONSTRUCTION Drilled Depth 115 ft. Diameter 8" in.

CASING: Material Heavy duty steel Condition New

SCREEN: Material Everdure Bronze Length 10 ft. Diameter 6 in. Slot Opening 1/2" x 3/16" in.

WELL SEALED Not Completed How _____ Approved _____

WELL VENTED ^{will install vent in 8" casing} How Vent Approved _____

TYPE OF PUMP V F Make FM Capacity 100 GPM Lubricated Water

DEPTH TO CYLINDER ^{top of brdls} 60 ft. Tail Pipe 10' of 4" suction pipe with 15" strainer.

PUMP CONTROL: Manual Automatic Semi-Automatic

STATIC LEVEL off ft. Pumping Level _____ ft. Drawdown _____ ft.

OPTIMUM SPECIFIC YIELD 100 gpm for GPM Drawdown ? ft. Time _____ hrs.

RATE OF DRAWDOWN reasonably slow Rate of Recovery Fast

TEMPERATURE OF WATER _____ °F Where Measured _____ Temp. of Atmosphere _____ °F

DRAWDOWN GAUGE INSTALLED to install one

TOPOGRAPHICAL POSITION OF WELL Semi Low land

WELL SITE INVESTIGATED Yes Approved Yes Why not _____

WELL CONSTRUCTION REVIEWED Yes Approved Yes except for gravel around upper 10' of casing. Why not _____

PIT CONSTRUCTION: Purpose None Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved Not installed Why Not _____

CUTTINGS FROM WELL PRESERVED: proposed plan OK Where _____

DEPTH TO BED ROCK 114 Depth to Water-bearing Stratum 107 to 114 Fine White Sand

SOURCE OF WATER: Principal Formation Presumed Dakota Sandstone Other _____

101 211 1 11 12 1

DATE RECONDITIONED _____ 19____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: ^{How Well} 20" outer casing 12' deep - 16" casing inside 20" from top to 25' depth - 12" casing inside 16" from top to bottom. 8" casing (permanent) inside 12" from top to a point 13' from bottom or from 0 to 105' - From 105 to 115 a 6" bronze screen with 45' of 6" casing on top overlapping 3/2 into 8"

CURB ELEVATION _____ REFERENCE 2' above High water Level

TYPE OF CONSTRUCTION Drilled Depth 115 ft. Diameter 8" in.

CASING: Material Heavy duty steel Condition New

SCREEN: Material Everdure - Bronze Length 10 ft. Diameter 6 in. Slot Opening 1 1/2" x 3/4" in.

WELL SEALED Not Completed How _____ Approved _____

WELL VENTED ^{will install vent in 8" casing} How Vent Approved _____

TYPE OF PUMP V F Make FM Capacity 100 GPM Lubricated Water

DEPTH TO CYLINDER ^{top of bowl} 60 ft. Tail Pipe 10' of 4" suction pipe with 15" strainer. 13 stage - 6" Remona Bowl assembly. 10' long

PUMP CONTROL: Manual _____ Automatic ✓ Semi-Automatic _____

STATIC LEVEL off ft. Pumping Level _____ ft. Drawdown _____ ft.

-OPTIMUM SPECIFIC YIELD 100 gpm for GPM Drawdown ? ft. Time _____ hrs. 21 hrs continuous run - Pumped during day for 1 week.

RATE OF DRAWDOWN → reasonably slow Rate of Recovery Fast

TEMPERATURE OF WATER _____ °F Where Measured _____ Temp. of Atmosphere _____ °F

DRAWDOWN GAUGE INSTALLED to install one

TOPOGRAPHICAL POSITION OF WELL Seem. Low land.

WELL SITE INVESTIGATED Yes Approved Yes Why not _____

WELL CONSTRUCTION REVIEWED Yes Approved Yes except for gravel around upper 10' of casing Why not _____

PIT CONSTRUCTION: Purpose None Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved Not installed. Why Not Proposed plan OK.

CUTTINGS FROM WELL PRESERVED: _____ Where _____

DEPTH TO BED ROCK 114 Depth to Water-bearing Stratum 107 to 114 Fine White Sand.

SOURCE OF WATER: Principal Formation Presumed Dakota Sandstone Other _____

(Ed Atcham driller near 49. Drilling sampler about 55 ft.)

Total Hardness _____ ppm. Total Iron _____ ppm. Sulfates _____ ppm. Fluorine _____ ppm.

Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: Old abandoned well in basement of structure bldg 412 ft from top of pedestal - 189' of 8", 46' of 6" (overlaps 8'-6") 6" open hole below - Lead seal between 6 & 8" casing. (approx 217' pick - This well to be filled & plugged.

When final draft of this data sheet is made up send a copy to Ross H Vaux