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IOWA STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH ENGINEERING AND INDUSTRIAL HYGIENE

GROUND WATER

Town Merrill, Iowa County Plymouth Date August 8 1966

WELL NO. 2 Active X Standby ..... Abandoned ..... Replaced by No. .....

LOCATION: Street Main Street between the C.&N.W. and C.N. Railroads Sec. 11 T 91 N.R. 46 ~~East~~ West

Lot ..... Block ..... Township Plymouth

OWNERSHIP Municipal Date Installed September 1960

CONTRACTOR Kelly Well Co., Inc. Address Grand Island, Nebraska

DATE RECONDITIONED ..... 19..... Contractor ..... Address .....

CONSTRUCTION EMPLOYED: .....

CURB ELEVATION ..... REFERENCE .....

TYPE OF CONSTRUCTION Reverse Circulation Rotary Depth 42.5 ft. Diameter 36 in.

CASING: Material Concrete Condition New

SCREEN: Material Concrete Length 20 ft. Diameter 17 in. Slot Opening 0.33 sq. ft. per foot

WELL SEALED 15'-0" How Compacted Clay, Casing Joints W/ MS Approved .....

WELL VENTED PH How Same As Installation Replaced Approved .....

TYPE OF PUMP Turbine Make Fairbanks-Morse Capacity 250 GPM Lubricated Water

DEPTH TO CYLINDER No Written Record On Pump. It Was Existing And Was Not Modified In Any Way. Tail Pipe ..... ft.

PUMP CONTROL: Manual ..... Automatic ..... Semi-Automatic .....

STATIC LEVEL 21'-6" ft. Pumping Level 35'-9" ft. Drawdown 14'-3" ft.

OPTIMUM SPECIFIC YIELD 345 GPM Drawdown 14'-3" ft. Time 24 hrs.

RATE OF DRAWDOWN Not Recorded Rate of Recovery Not Recorded

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

DRAWDOWN GAUGE INSTALLED .....

TOPOGRAPHICAL POSITION OF WELL .....

WELL SITE INVESTIGATED ..... Approved ..... Why not .....

WELL CONSTRUCTION REVIEWED ..... Approved ..... Why not .....

PIT CONSTRUCTION: Purpose ..... Size and Description .....

CONDITION: ..... Drainage Facilities .....

PUMP INSTALLATION: Approved Yes Why Not .....

CUTTINGS FROM WELL PRESERVED: No Where .....

DEPTH TO BED ROCK Not Known Depth to Water-bearing Stratum 21'-6"

SOURCE OF WATER: Principal Formation Sand & Gravel Other .....

Total Hardness 412 ppm. Total Iron 0.02 ppm. Sulfates 70.4 ppm. Fluorine 0.35 ppm.

Manganese <0.05 ppm. pH 7.3 . CO_2 ..... ppm. Date - Jan. 3, 1962.

REMARKS: Information from Kelly-Well Co., 617.25 East Louth St., Grand Island Nebraska

RECEIVED
Iowa State Department of Health

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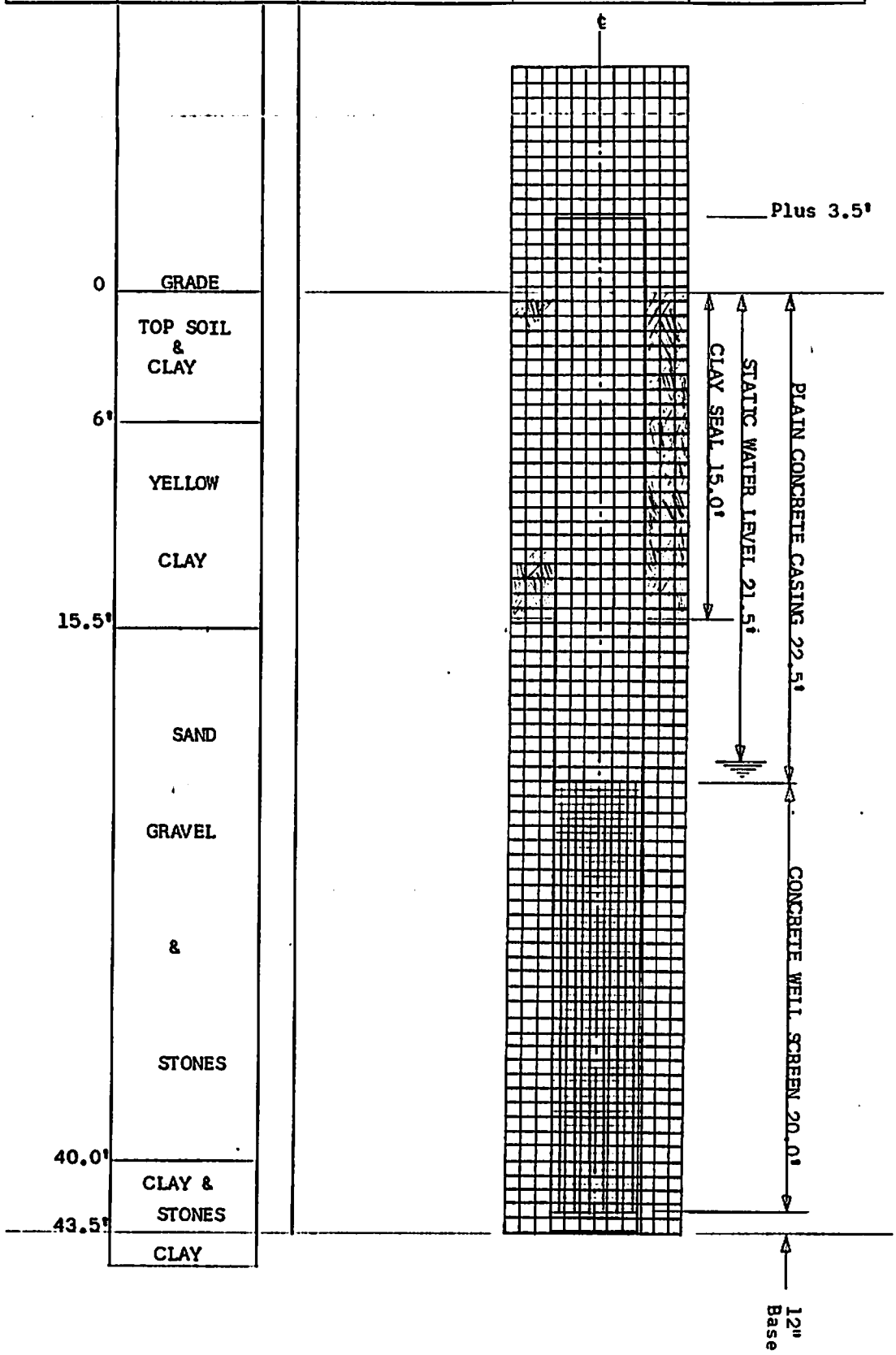
GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal NONE Vertical 3/16"	Position of seals, screens, static level, etc.