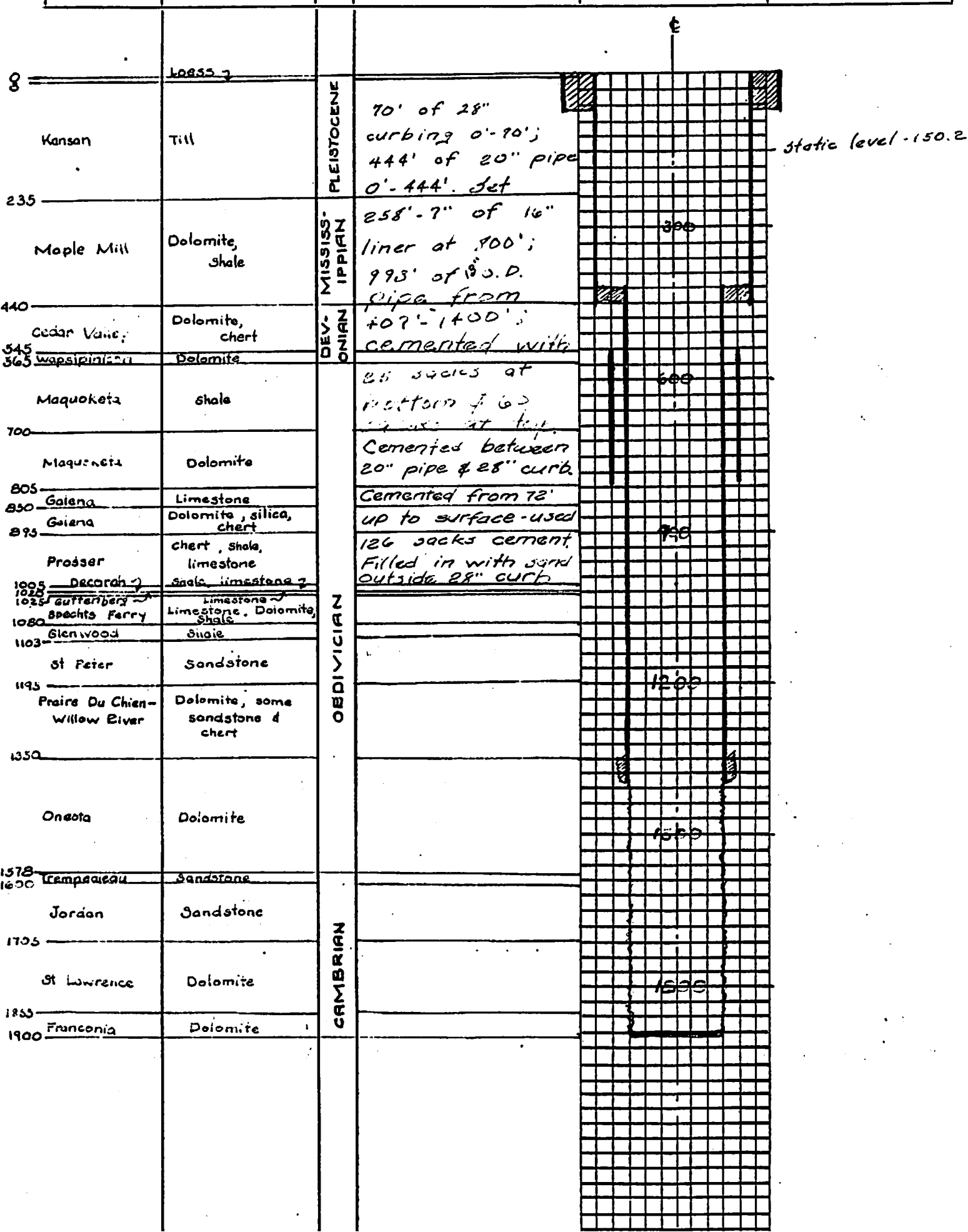


Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal $\frac{1"}{2"}$ Vertical $\frac{1"}{30'}$	Position of seals, screens, static level, etc.
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IOWA STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH ENGINEERING AND INDUSTRIAL HYGIENE

GROUND WATER

Town Washington County Washington Date June 24 19 47
WELL NO. 5 Active..... Standby..... Abandoned..... Replaced by No.....
LOCATION: Street N. 3rd Ave. & 6th St. Sec. 17 T. 75 N.R. 7 East: West
Lot 8 Block 5 Township Washington
OWNERSHIP Washington Date Installed June 18 - Oct. 9 1946
CONTRACTOR Thorpe Well Co. Address Des Moines
DATE RECONDITIONED..... 19..... Contractor..... Address.....
CONSTRUCTION EMPLOYED: Drilled. Casing record - 70' of 28" curbing @ 70', 444' of 20"
pipe 0' - 444', set 258' - 7" of 16" liner at 800'. 993' of 13" O.D. pipe from 407' -
1400', cemented with 25 sacks at bottom and 60 sacks at top.
CURB ELEVATION 761.7 REFERENCE I. G. S.
TYPE OF CONSTRUCTION Drilled Depth 1900 ft. Diameter 20 in.
CASING: Material Steel wrought iron Condition Excellent
SCREEN: Material None Length..... ft. Diameter..... in. Slot Opening..... in.
WELL SEALED Yes How Pump base tight Approved Yes
WELL VENTED Yes How Vent out pump base Approved Yes
TYPE OF PUMP Turbine Make Pomona Capacity 550 GPM Lubricated H2O
DEPTH TO CYLINDER 200 ft. Tail Pipe 10 ft.
PUMP CONTROL: Manual X Automatic..... Semi-Automatic.....
STATIC LEVEL 150.2 ft. Pumping Level..... ft. Drawdown..... ft.
OPTIMUM SPECIFIC YIELD..... GPM Drawdown..... ft. Time..... hrs.
RATE OF DRAWDOWN..... Rate of Recovery.....
TEMPERATURE OF WATER..... °F Where Measured..... Temp. of Atmosphere..... °F
DRAWDOWN GAUGE INSTALLED Yes
TOPOGRAPHICAL POSITION OF WELL Level ground
WELL SITE INVESTIGATED Yes Approved Yes Why not.....
WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not.....
PIT CONSTRUCTION: Purpose None Size and Description.....
CONDITION:..... Drainage Facilities.....
PUMP INSTALLATION: Approved Yes Why Not.....
CUTTINGS FROM WELL PRESERVED: Yes Where I.G.S.
DEPTH TO BED ROCK 235 Depth to Water-bearing Stratum.....
SOURCE OF WATER: Principal Formation Jordan Other.....

DATE RECONDITIONED..... 19..... Contractor..... Address.....
CONSTRUCTION EMPLOYED: Drilled. Casing record - 70' of 28" casing @ 70', 444' of 20" pipe 0' - 444', set 258' - 7" of 16" liner at 800', 993' of 13" O.D. pipe from 407' - 1400', cemented with 25 sacks at bottom and 60 sacks at top.
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SCREEN: Material None Length..... ft. Diameter..... in. Slot Opening..... in.
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TYPE OF PUMP Turbine Make Pomona Capacity 560 GPM Lubricated H2O
DEPTH TO CYLINDER 200 ft. Tail Pipe 10 ft.
PUMP CONTROL: Manual X Automatic..... Semi-Automatic.....
STATIC LEVEL 150.2 ft. Pumping Level..... ft. Drawdown..... ft.
OPTIMUM SPECIFIC YIELD..... GPM Drawdown..... ft. Time..... hrs.
RATE OF DRAWDOWN..... Rate of Recovery.....
TEMPERATURE OF WATER..... °F Where Measured..... Temp. of Atmosphere..... °F
DRAWDOWN GAUGE INSTALLED Yes
TOPOGRAPHICAL POSITION OF WELL Level ground
WELL SITE INVESTIGATED Yes Approved Yes Why not.....
WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not.....
PIT CONSTRUCTION: Purpose None Size and Description.....
CONDITION:..... Drainage Facilities.....
PUMP INSTALLATION: Approved Yes Why Not.....
CUTTINGS FROM WELL PRESERVED: Yes Where I.G.S.
DEPTH TO BED ROCK 235 Depth to Water-bearing Stratum.....
SOURCE OF WATER: Principal Formation Jordan Other.....
Total Hardness 410 ppm. Total Iron 0.1 ppm. Sulfates 568.9 ppm. Fluorine 1.3 ppm.
Manganese None ppm. pH 7.7 CO₂ 9.5 ppm.
REMARKS: On pumping test pumped @ 1090 g.p.m. - water level at 210'
Pump being installed on this date.