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

GROUND WATER

Town Vinton County Benton Date Dec. 4 1956

WELL NO. 3 Active ✓ Standby Abandoned Replaced by No.

LOCATION: Street W. 2nd Sec. 17 T. 85 N.R. 10 ~~East~~: West

Lot 3 & E. 35' Lot 4 Block 1 of Alexander's Add. Township Taylor

OWNERSHIP Municipal Date Installed May-June 1955

CONTRACTOR Thorpe Well Co. Address Des Moines, Iowa

DATE RECONDITIONED 19 Contractor Address

CONSTRUCTION EMPLOYED:

CURB ELEVATION REFERENCE

TYPE OF CONSTRUCTION Gravel-Packed Depth 119'6" ~~ft.~~ Diameter 10 in.

CASING: Material Steel Condition New

SCREEN: Material Copper Length 30 ft. Diameter 9 3/8" O.D. ~~in.~~ Slot Opening 1/8 in.

WELL SEALED Yes How Sealing compound Approved Yes

WELL VENTED Yes How Thru pump base Approved Yes

TYPE OF PUMP Turbine Make F.B.M. Capacity 550 GPM Lubricated Water

DEPTH TO CYLINDER 80 ft. Tail Pipe ft.

PUMP CONTROL: Manual Automatic ✓ Semi-Automatic

STATIC LEVEL * 23 ft. Pumping Level ** 31 ft. Drawdown ** 8 ft.

OPTIMUM SPECIFIC YIELD ** GPM Drawdown ft. Time hrs.

RATE OF DRAWDOWN Rapid Rate of Recovery Rapid

TEMPERATURE OF WATER 51 °F Where Measured At Pump Temp. of Atmosphere °F

DRAWDOWN GAUGE INSTALLED Yes

TOPOGRAPHICAL POSITION OF WELL High-Level

WELL SITE INVESTIGATED Yes 4/26/55 Approved Yes Why not

WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not

PIT CONSTRUCTION: Purpose Size and Description

None

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: Yes Where Thorpe Well Co.

DEPTH TO BED ROCK 119'6" Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Other

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

CONSTRUCTION EMPLOYED: .....

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

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

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

CUTTINGS FROM WELL PRESERVED: Yes Where Thorpe Well Co.

DEPTH TO BED ROCK 119'6" Depth to Water-bearing Stratum .....

SOURCE OF WATER: Principal Formation ..... Other .....

Sand & Gravel 80'-119'6"

*** Total Hardness 275.5 ppm. Total Iron 1.1 ppm. Sulfates 29.6 ppm. Fluorine .04 ppm.

Manganese .016 ppm. pH 7.65 CO_3 ..... ppm.

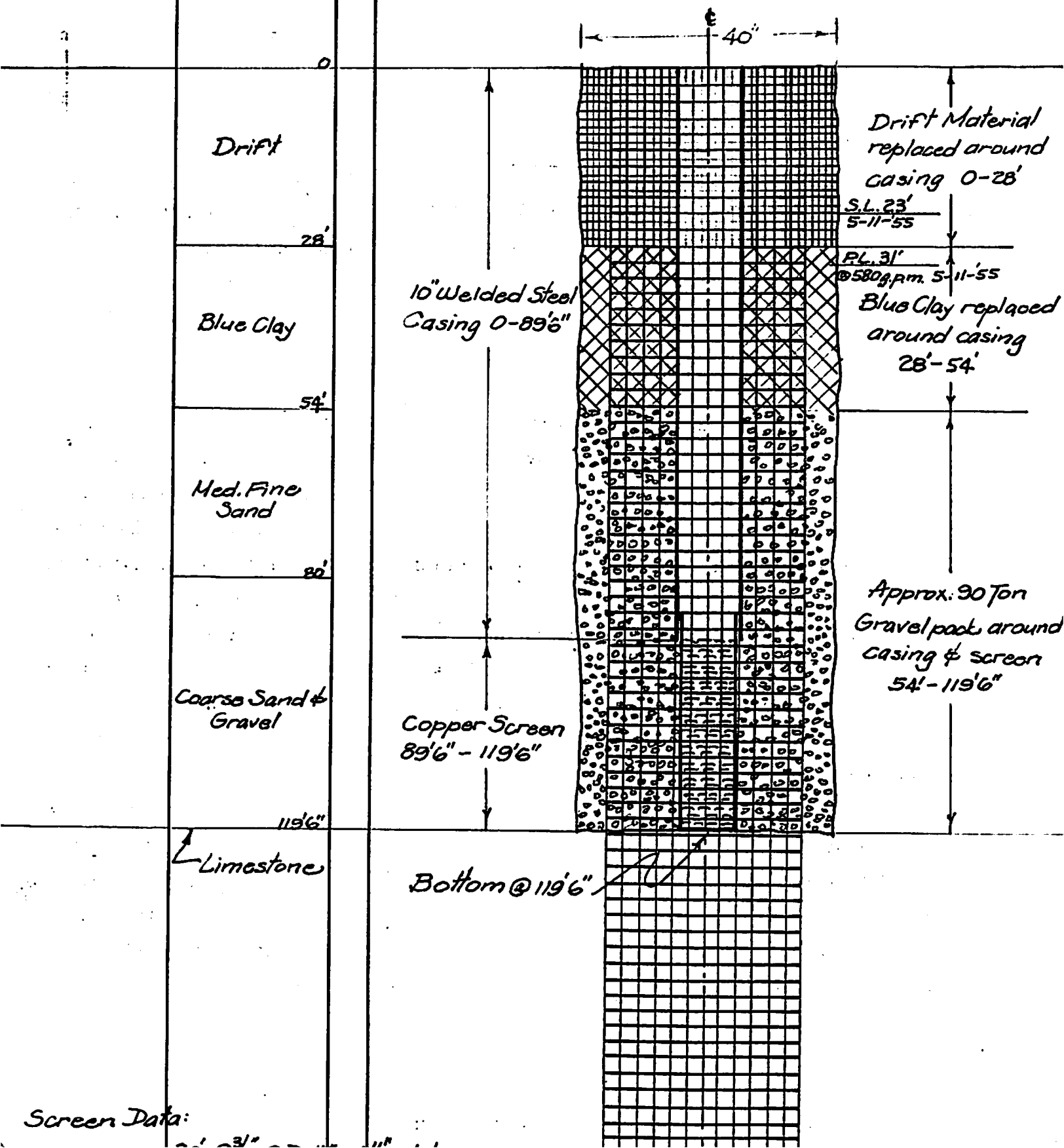
REMARKS:

* May 11, 1955 after 24 hr. pump test - reading taken 1½ hrs. after test completed.

** At 580 gpm near end of 24 hr. pump test

*** Lab. No. 23317; Mineral No. 4335; Collected May 11, 1955

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 1"=20" Vertical 1"=20'	Position of seals, screens, static level, etc.



Screen Data: