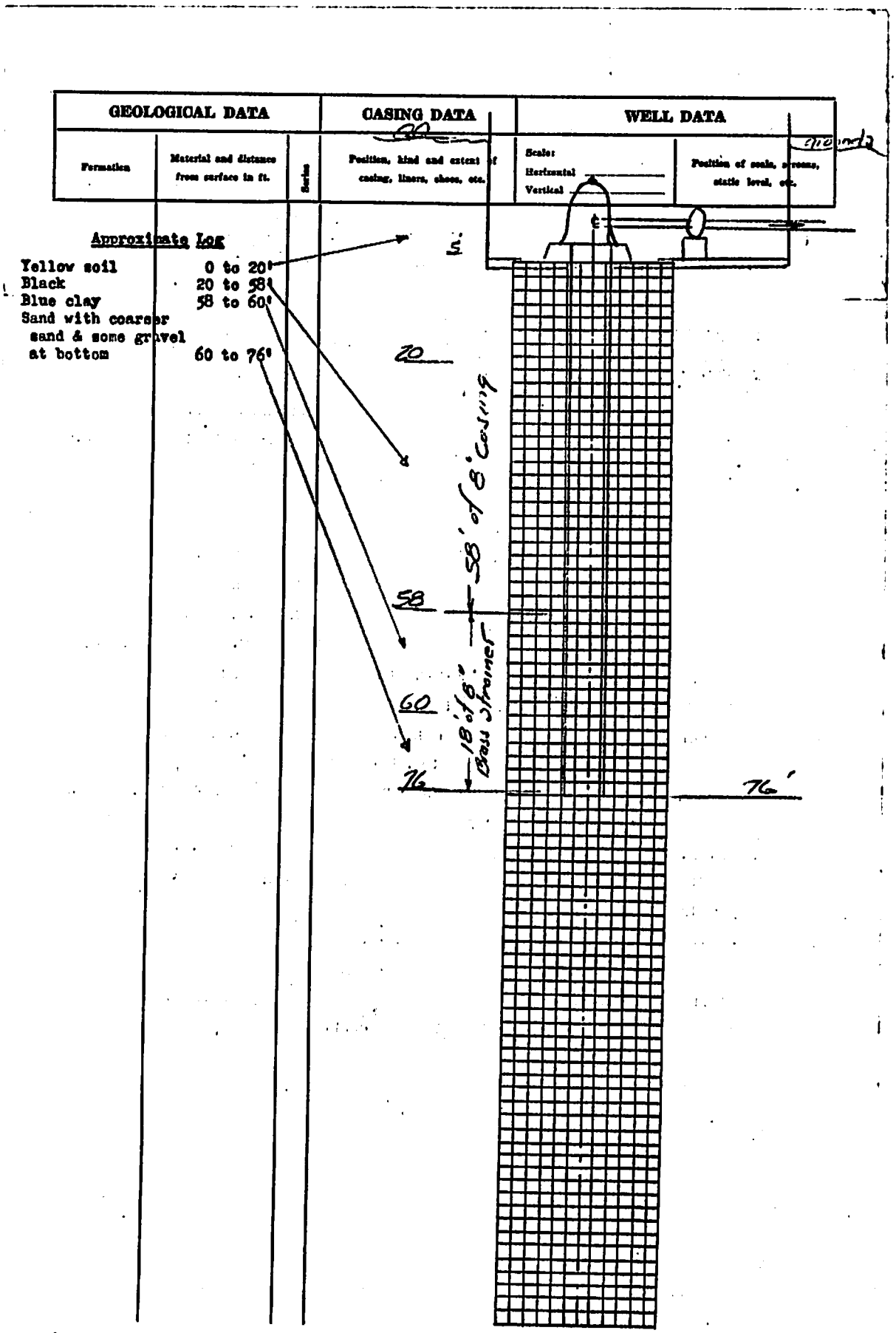

GEOLOGICAL DATA
CASING DATA
WELL DATA
Formation
Material and distance from surface in ft.
Section
Position, kind and extent of casing, liners, shoes, etc.
Scale:
Horizontal
Vertical
Position of seals, screens, static level, etc.
Approximate Log
Yellow soil 0 to 20'
Black 20 to 58'
Blue clay 58 to 60'
Sand with coarser sand & some gravel at bottom 60 to 76'
20
58
60
76
58' of 8" Casing
18' of 8" Brass Strainer
76'

2 No. floor drain

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

GROUND WATER

Town Moorhead County Monona Date Jan. 25, 1950

WELL NO. 1 Active Yes Standby Abandoned Replaced by No.

LOCATION: Street Basement setting in near of fire station Sec. T. N.R. East: West

Lot Block Township

OWNERSHIP municipal Date Installed 1931 or '32

CONTRACTOR Address

DATE RECONDITIONED never been repaired 19 Contractor Address

CONSTRUCTION EMPLOYED: 8" casing to 58' depth + 8" brass strainer 18' long.
Well jetted in construction.

CURB ELEVATION -5' REFERENCE Ground elevation at fire station

TYPE OF CONSTRUCTION Jetted Depth 76 ft. Diameter 8 in.

CASING: Material Black pipe Condition New at time of construction

SCREEN: Material Brass Length 18 ft. Diameter 8 in. Slot Opening ? in.

WELL SEALED Yes How Concrete pedestal around well casing. Joint between pump base and pedestal to be filleted Approved Yes-after fillet is in place.

WELL VENTED Yes How 3/4" screen vent Approved Yes

TYPE OF PUMP T.T. Make Price Capacity 175 GPM Lubricated Oil

DEPTH TO CYLINDER bottom of bowls 75 ft. Tail Pipe None ft.

PUMP CONTROL: Manual Yes Automatic Semi-Automatic

STATIC LEVEL 30' in 1934 ft. Pumping Level ? ft. Drawdown ? ft.

OPTIMUM SPECIFIC YIELD 175 GPM Drawdown ? ft. Time ? 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 Lowland -- at foot of hills from north

WELL SITE INVESTIGATED ? Approved Why not

WELL CONSTRUCTION REVIEWED ? Approved Why not

PIT CONSTRUCTION: Purpose Protection against freezing Size and Description 10' long x 9' wide x 6' deep -- extension of basement

CONDITION: Good Drainage Facilities To sump located in basement room south of pump room. This pump report ad to be watertight.

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: ? Where

DEPTH TO BED ROCK none Depth to Water-bearing Stratum 60 to 76 ft.

SOURCE OF WATER: Principal Formation sand and gravel Other none

20.2 gpg
Total Hardness 346 ppm. Total Iron none ppm. Sulfates 15.6 ppm. Fluorine 0.3 ppm.

Manganese none ppm. pH 7.0 CO_2 ppm.

REMARKS: Information above resulting from mineral analysis determined on sample collected Jan. 25, 1950.