

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

GROUND WATER

Town Sioux City County Woodbury Date Jan. 1945

WELL NO. 5 Active Yes Standby _____ Abandoned _____ Replaced by No. _____

LOCATION: Street 27th & Hawkeye Drive Sec. 22 T. 89 N.R. 47 East: West _____

Lot _____ Block _____ Township Sioux City

OWNERSHIP Sioux City Water Works Date Installed December 27 1937

CONTRACTOR Rasmussen Well Company Address Sioux City, Iowa

DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: Drilled

CURB ELEVATION 1109.64 REFERENCE Sea Level

TYPE OF CONSTRUCTION Drilled Depth 340 ft. Diameter 110' of 20" 225' of 16" in.

CASING: Material Steel Pipe Condition Good

SCREEN: Material Perforated Pipe Length 144 ft. Diameter 16 in. Slot Opening 5/8" Hoiss 4 Centers in.

WELL SEALED Yes How? Pump and Pump Foundation Approved Yes

WELL VENTED Yes How? 1 - 2" vent turned down & screened Approved Yes

TYPE OF PUMP Turbine Make Deming Capacity 1400 GPM Lubricated Water

DEPTH TO CYLINDER 96 ft. Tail Pipe 20 ft.

PUMP CONTROL: Manual X Automatic _____ Semi-Automatic _____

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

OPTIMUM SPECIFIC YIELD ? _____ GPM Drawdown ? _____ ft. Time ? _____ hrs.

RATE OF DRAWDOWN ? _____ Rate of Recovery ? _____

TEMPERATURE OF WATER 54 °F Where Measured _____ Temp. of Atmosphere _____ °F

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL River bottom plane

WELL SITE INVESTIGATED Yes Approved Yes Why not _____

WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not _____

PIT CONSTRUCTION: Purpose Heating plant Size and Description 26x18x9 Under brick
building. Condition good

CONDITION: Good Drainage Facilities Gravel Sump IK

PUMP INSTALLATION: Approved Yes Why Not _____

CUTTINGS FROM WELL PRESERVED: Yes Where Rasmussen Well Company

DEPTH TO BED ROCK 70 Depth to Water-bearing Stratum 110'-0"

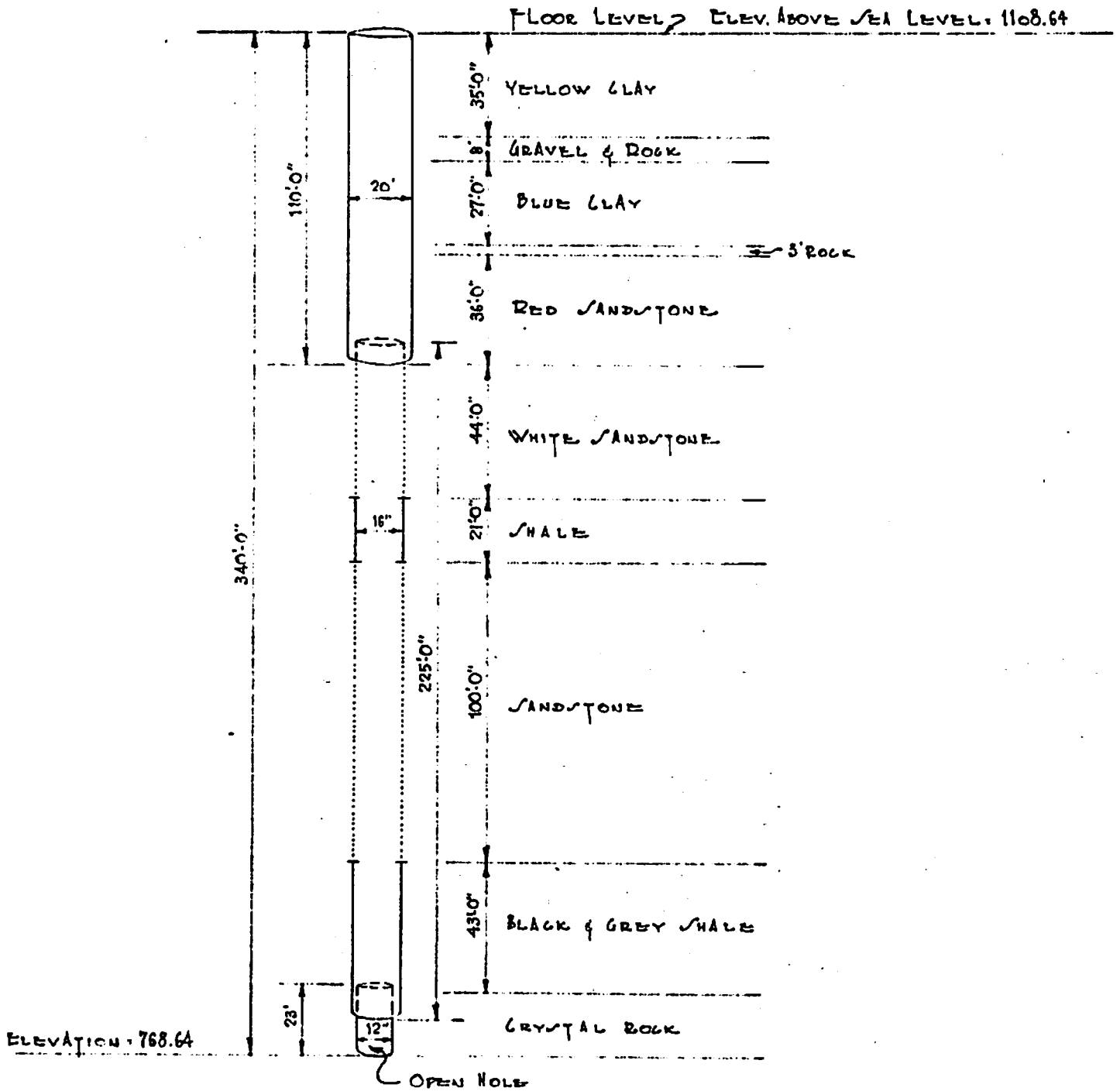
SOURCE OF WATER: Principal Formation Dakota Other _____

Total Hardness _____ ppm. Total Iron _____ ppm. Sulfates _____ ppm. Fluorine _____ ppm.
Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: Well pump delivers water to a Worthington Horizontal High Service
Booster Pump.
Can pump waste to open ditch across street to West.

LOWELL WELL NO. 5

• 27TH. AND HAWKEYE DRIVE •
 • AMOUNT OF SANDSTONE IN WELL - 119'0" •
 • WELL COMPLETED - 1937 •



SCALE - 1" = 50'0"
 E.D. O'NEILL
 MARCH 1940

WELL IS ON BOTTOM LAND
 WATER IS PUMPED UP FROM DAKOTA SANDSTONE