

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

GROUND WATER

Town Sioux City, Iowa County Woodbury Date March 31st, 1958

WELL NO. 18 Active Yes Standby No Abandoned No Replaced by No. None

LOCATION: Street Alley between W. 6th and W. 7th Streets. Sec.        T.        N.E.        East: West

Lot        Block        Township       

OWNERSHIP City of Sioux City Date Installed August 17th, 1941

CONTRACTOR Howard Rasmussen Address 4011 Monroe Street Sioux City, Iowa

DATE RECONDITIONED Never 19        Contractor None Address       

CONSTRUCTION EMPLOYED:       

CURB ELEVATION 1114.44 REFERENCE       

TYPE OF CONSTRUCTION Drilled & Cased Total Depth 361 ft. Diameter 16" - 18"  
Actual " 291.2" Jan 30th 1956

CASING: Material Steel Well Casing Condition Good

SCREEN: Material 12" Casing Perforat Length 96 ft. Diameter 12" Slot Opening 3/4" Rd. In.  
ed with 3/4" holes 3" centers

WELL SEALED No How        Approved       

WELL VENTED Yes How 2" Pipe in Base Screened        Approved       

TYPE OF PUMP Stg. Turbine Make Deming No. 13,822 Capacity 1,100 GPM Lubricated Water

Size No. 12" Impeller No. Obsolete Size 12"  
DEPTH TO CYLINDER 140" Cylinder 4" 4" ft. Tail Pipe 10" I.D. 10' Long ft.

PUMP CONTROL: Manual Yes Automatic No Semi-Automatic No

STATIC LEVEL 62.6" -- 1-30-56 ft. Pumping Level Unknown ft. Drawdown Unknown ft.

OPTIMUM SPECIFIC YIELD 1075 GPM Drawdown Unknown ft. Time Continuous Hrs.

RATE OF DRAWDOWN Unknown Rate of Recovery Unknown

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

DRAWDOWN GAUGE INSTALLED No Draw-down gage       

TOPOGRAPHICAL POSITION OF WELL Perry Creek Valley about 1 mile upstream from

WELL SITE INVESTIGATED        Approved        Why not Missouri River

WELL CONSTRUCTION REVIEWED        Approved        Why not       

PIT CONSTRUCTION: Purpose To get discharge Size and Description Paired Concrete floor and  
pipe down below frost line. ) ( walls. Removable Steel Plate Ceiling Flush  
with floor of well house. width 4' 1" Length 10' 0" Height 8' 8"

CONDITION: Good Drainage Facilities Sump Pump

PUMP INSTALLATION: Approved Why Not       

CUTTINGS FROM WELL PRESERVED: No Where       

DEPTH TO BED ROCK 176 feet. Depth to Water-bearing Stratum 176 feet.

SOURCE OF WATER: Principal Formation Sandstone Other Mixture. See Back.

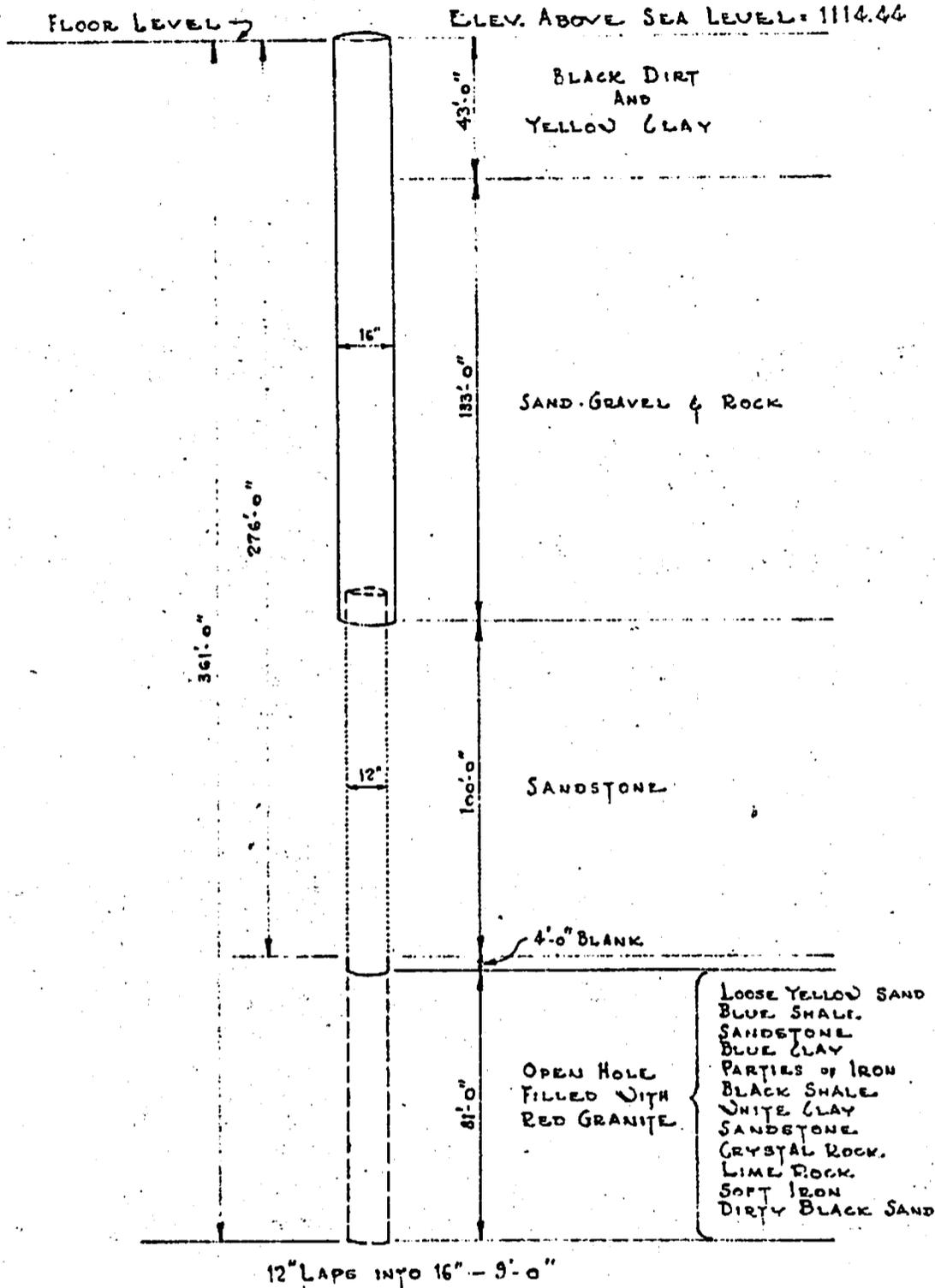
Total Hardness 456.9 ppm. Total Iron 0.3 ppm. Sulfates 154.3 ppm. Fluorine 0.25 ppm.

Manganese 0.2 ppm. pH 6.85 CO<sub>2</sub> 0.0 ppm.

REMARKS:

# WELL NO. 18

NORTH OF SIOUX STREET GARAGE  
 AMOUNT OF SANDSTONE IN WELL - 100'-0"  
 WELL COMPLETED - 8-17-41



SCALE - 1" = 50'-0"  
 B.D. O'NEILL  
 AUGUST 1941

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