

From log book of J. G. Savidge

Sioux City Water Works

Well No. (16) 20" Ninth and Cook

40 to 70 feet	Gravel and sand
70 to 80	Blue clay
80 to 120	Sand and some hard pan
120 to 163	Blue and white gravel
163 to 175	Sand and gravel
190	Sandstone
235	Streak of clay (about 3')
238 to 250	Sand rock
250 to 280	Sandstone
288 to 293	Blue clay
295 to 303	Blue clay
303 to 332	Sandstone

Total depth 338 feet

181' 9" of 20" (casing) in well 12 ft. from
surface

WELL NO. 16 - W. 9TH. & COOK

EDONZILL-19
SCALE - 1" = 50'

Capacity 2100± gpm.

Jan. 23, 1937

Water 47'11" from pump base

Oct. 20, 1931

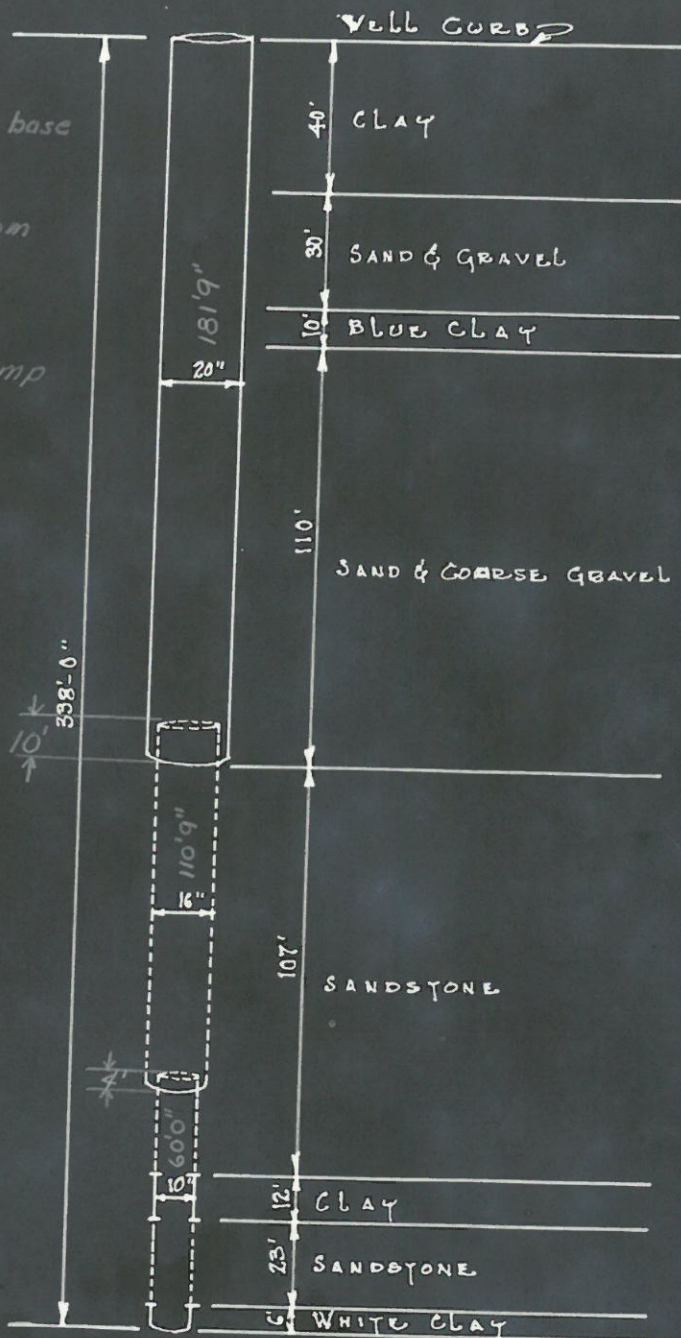
324' from curb to bottom

To water 35'6"

Jan. 8, 1934

Depth to bottom from pump

base 315'



16" Laps INTO 20"-10'-0"
10" " " 16"-4'-0"

14 8' lengths of 12" drop pipe; 4' of bowles, 18" dia.

Finished Dec. 4, 1919

Finished June 14, 1912

GROUND WATER

REMARKS:

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. 16 Active ☒ Standby ☐ Abandoned ☐ Replaced by No.

LOCATION: Street N.E. Corner W. 9th & Cook St. 89 T 29 N.R. 47 East: West

Lot 13 Block 59 Township Sioux City

OWNERSHIP Sioux City Water Works Date Installed 19

CONTRACTOR Rasmussen Well Company Address Sioux City, Iowa

DATE RECONDITIONED Not done 19 Contractor Address

CONSTRUCTION EMPLOYED: None

CURB ELEVATION 1115.14 REFERENCE Sea Level

TYPE OF CONSTRUCTION Drilled Depth 338 ft. Diameter 20 in.

CASING: Material Steel pipe Condition Good

SCREEN: Material Perforated pipe Length 130 ft. Diameter 18" In. Slot Opening 10" in.

WELL SEALED Yes How Concrete packer between casing & column pipe Approved

WELL VENTED Yes How 2-2" extending about 7' above seal with screened return bends Approved

TYPE OF PUMP Turbine Make Pomona Capacity 2100 GPM Lubricated Water

DEPTH TO CYLINDER 140 ft. Tail Pipe 10 ft.

PUMP CONTROL: Manual ☒ Automatic ☐ Semi-Automatic ☐

STATIC LEVEL 46' 5" ft. Pumping Level ft. Drawdown ft.

OPTIMUM SPECIFIC YIELD 2030 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 Bottom land subject to flood by Perry Creek

WELL SITE INVESTIGATED No Approved No Why not

WELL CONSTRUCTION REVIEWED No Approved Why not

PIT CONSTRUCTION: Purpose Heating building Size and Description 18'0" x 26'0"

Brick building concrete pit

CONDITION: Good Drainage Facilities Sump pump

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED No information Where

DEPTH TO BED ROCK 190 Depth to Water-bearing Stratum 190

SOURCE OF WATER: Principal Formation Dakota Sandstone Other None

Total Hardness ppm. Total Iron ppm. Sulfates ppm. Fluorine ppm.

Manganese ppm. pH CO₂ ppm.

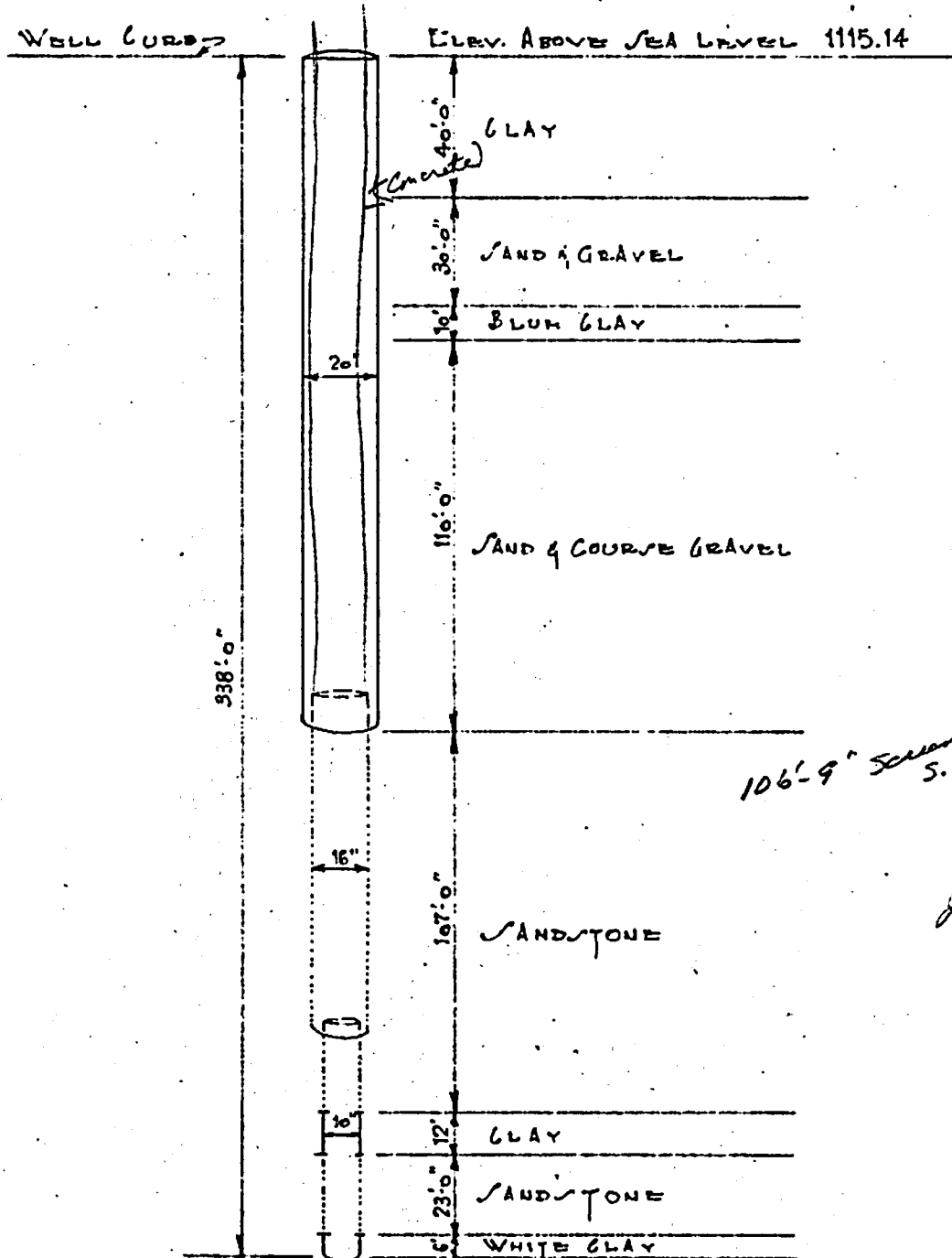
REMARKS: Well pump delivers water to a Gould horizontal high service booster pump.

This station can pump to waste to a storm sewer manhole discharging to Perry Creek.

This well flooded during Perry Creek Flood in July, 1944.

WELL NO. 16

W. 9 TH. AND COOK STREET.
 AMOUNT OF SANDSTONE IN WELL - 130'-0"
 WELL COMPLETED - 1919.



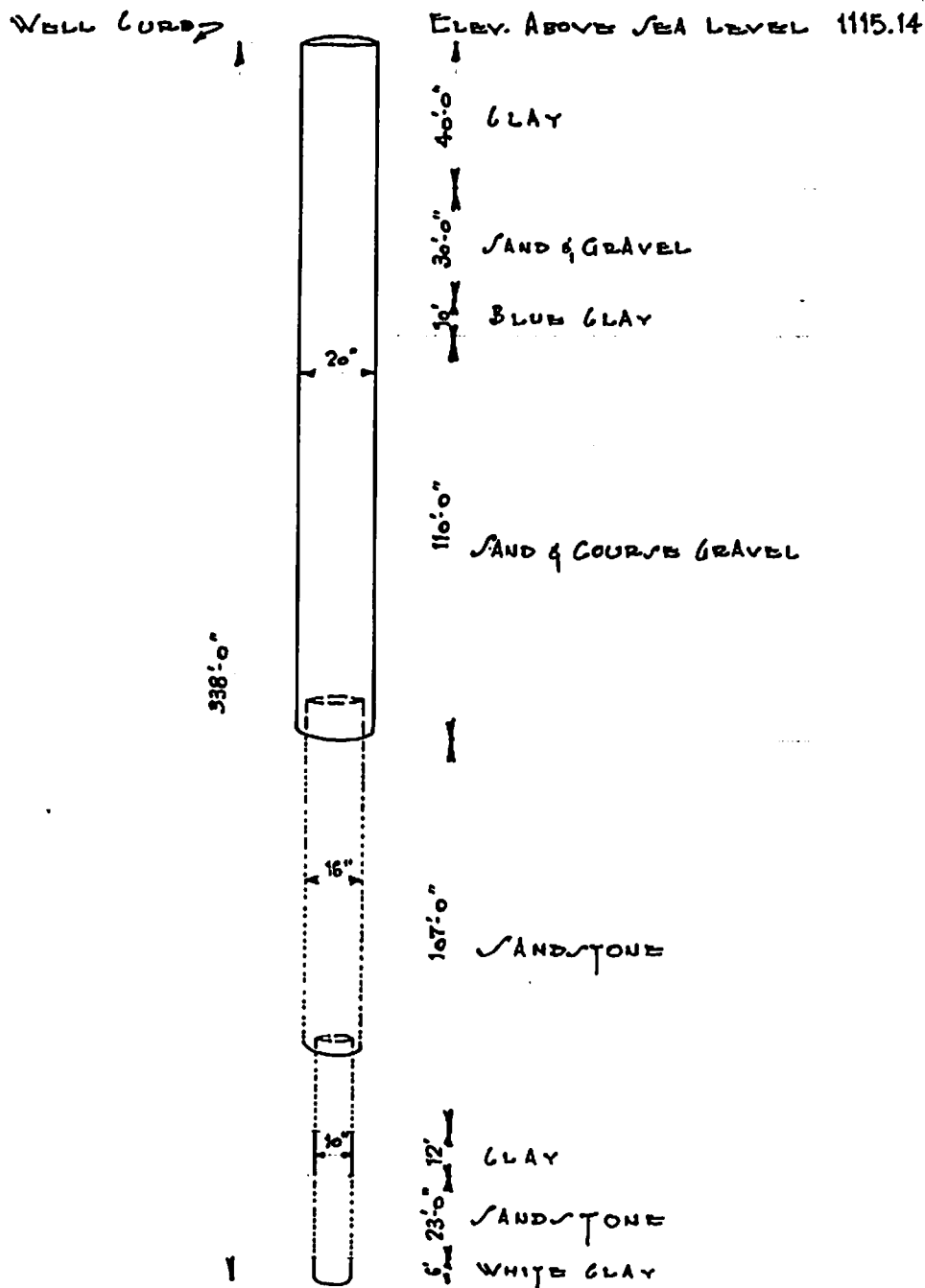
16" LAP INTO 20" - 10'-0"
 10" " " " 16" - 4'-0"

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

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

WELL NO. 16

W. 9 TH. AND COOK STREET.
 AMOUNT OF SANDSTONE IN WELL - 130'-0"
 WELL COMPLETED - 1919.



16" LAP INTO 20'-10'-0"
 10" " " 16'-4'-0"

SCALE - 1" = 50'-0"

E.D. O'NEILL
 MARCH 1940

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