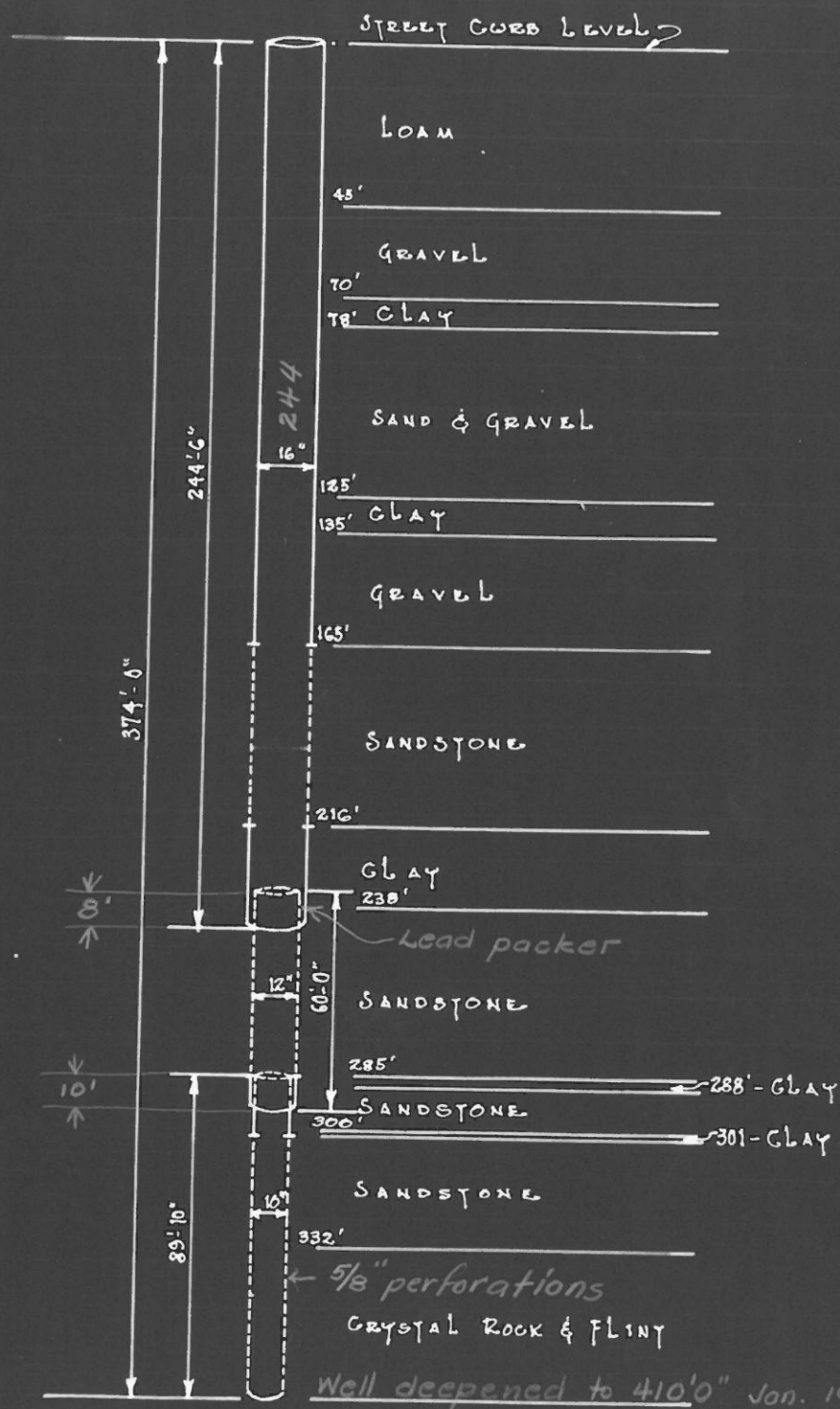


WELL NO. 14 - W. 6TH & COOK

E. DONNELL
SCALE 1" = 50'

Capacity:



94' 7" of 10" Johnson screen set on top of 10" pipe.
Bottom of bowles 153' 9" Suction 10' of 9"

Cut in June 9, 1911

114

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

GROUND WATER

Town Sioux City County Woodbury Date March 7th 19 58
WELL NO. 11 Active Yes Standby No Abandoned No Replaced by No. None
LOCATION: Street West 6th & Cook Streets Sec. Unknown T. N.R. East: West
Lot Block Township
OWNERSHIP City of Sioux City Date installed Well Drilled 1911
CONTRACTOR Unknown Address
DATE RECONDITIONED January 1938 Contractor Rasmussen Address 4041 Monroe St
CONSTRUCTION EMPLOYED: 94' 7" of 10" screen was set on top of 10" Sioux City, Ia.
Perforated pipe. This screen was gravel packed between the 12" and 16" casing
Underground Pump Pit built in spring of 1934 - 24' 3 1/2" X 13' 2" X 8' 6" High
CURB ELEVATION 1116.54 REFERENCE
TYPE OF CONSTRUCTION Drilled & Cased into Sandstone Depth 374' 10" Diameter 16"-12" 10"
CASING: Material Iron Well Casing Condition Good
SCREEN: Material Brass Length 94' 7" ft. Diameter 10" ft. Slot Opening No Record
WELL SEALED No How Approved
WELL VENTED Yes How Breather pipe in base of pump Approved
TYPE OF PUMP 3 Stg. Turbine Make Pomona #K458 -- 11MG. Capacity 1500 GPM Lubricated Water
DEPTH TO CYLINDER 143' 7" below pump base Tail Pipe Screen 10' long ft.
PUMP CONTROL: Manual Yes Automatic Semi-Automatic
STATIC LEVEL 56' ft. Pumping Level Unknown ft. Drawdown Unknown ft.
OPTIMUM SPECIFIC YIELD 1250 GPM Drawdown Unknown ft. Time Unknown hrs.
RATE OF DRAWDOWN No way of measuring Rate of Recovery Unknown
TEMPERATURE OF WATER: No Record of Where Measured of testing: Temp. of Atmosphere °F
DRAWDOWN GAUGE INSTALLED No Draw Down Gage
TOPOGRAPHICAL POSITION OF WELL In Perry Creek Valley about 1 mile upstream from
(Missouri River)
WELL SITE INVESTIGATED Approved Why not
WELL CONSTRUCTION REVIEWED Approved Why not
PIT CONSTRUCTION: Purpose To House the Pump Size and Description Reinforced Concrete walls
24' 3 1/2" X 13' 2" X 8' 6" High roof and Ceiling N
CONDITION: Good Drainage Facilities None W PS 11' 5" 10' 4" E
PUMP INSTALLATION: Approved Why Not 24' 3 1/2" 3 TRANS-
CUTTINGS FROM WELL PRESERVED: No Where Farmers
DEPTH TO BED ROCK 165' 0" Depth to Water-bearing Stratum 301' 0"
SOURCE OF WATER: Principal Formation Dakota Sandstone Other Crystal Rock and Flint
Total Hardness 633.0 ppm. Total Iron 0.1 ppm. Sulfates 429.1 ppm. Fluorine 1.6 ppm.
Manganese 0.1 ppm. pH 7.0 CO₂ 0.0 ppm.
REMARKS:

APR 14 1958

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

GROUND WATER

Town Sioux City County Woodbury Date June 19 46
WELL NO. 14 Active ☒ Standby ☐ Abandoned ☐ Replaced by No.
LOCATION: Street S.E. Corner W. 6th & Cook Sec. 89 T. 29 N.R. 47 East: West
Lot 12 Block 11 Township Sioux City
OWNERSHIP Sioux City Water Works Date Installed 19 11
CONTRACTOR Savage Well Company Address Deceased
DATE RECONDITIONED Jan. 19 38 Contractor Rasmussen Well Co. Address Sioux City
CONSTRUCTION EMPLOYED: Casing replaced. Turbine pump installed.

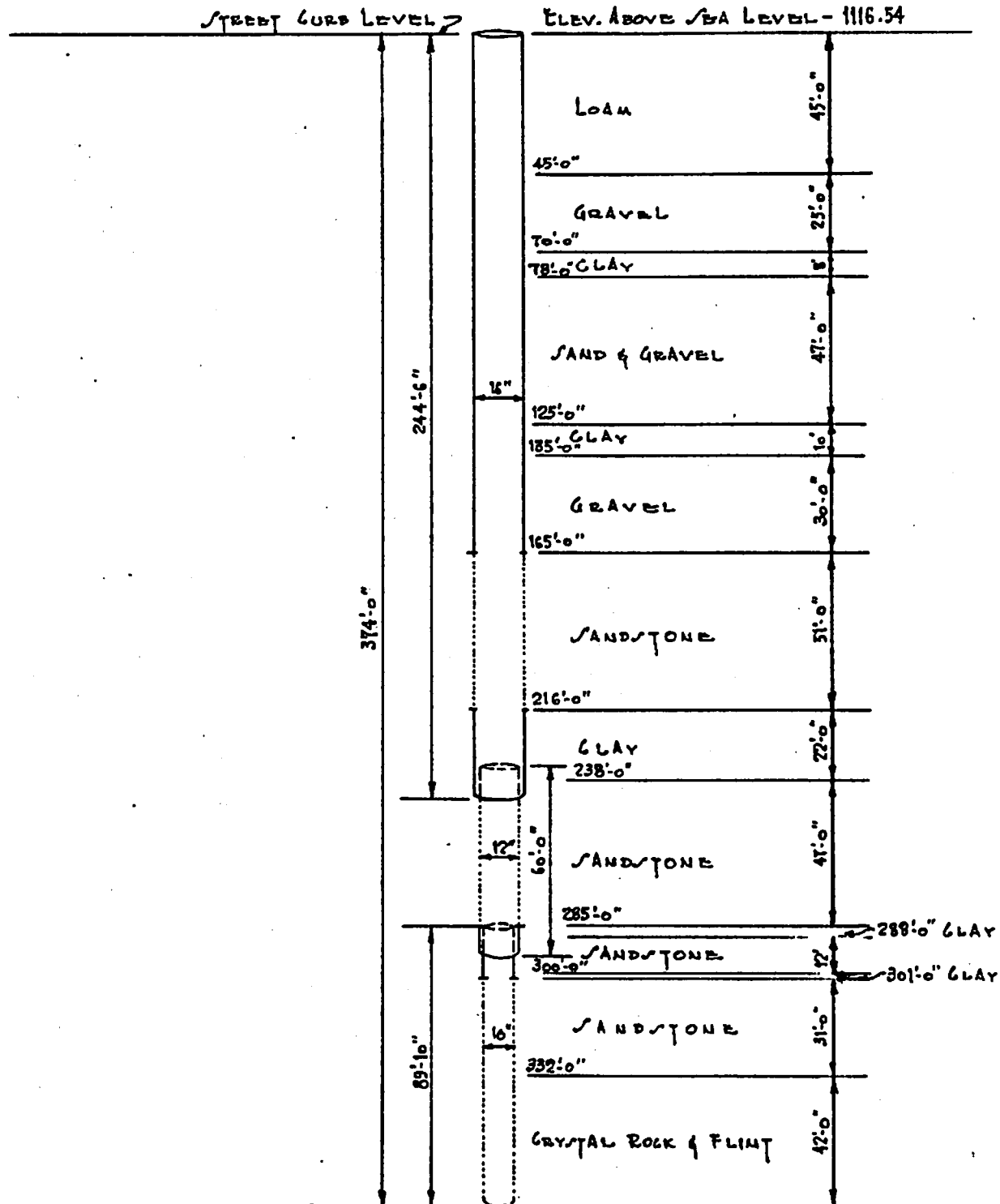
CURB ELEVATION 1116.54 REFERENCE Sea level. 244'6" - 16"
TYPE OF CONSTRUCTION Drilled Depth 374 ft. Diameter 16"
CASING: Material Steel (Incl. 18 C.I.P. at top) Condition Good
SCREEN: Material Length 184'0 5" ft. Diameter 10 in. Slot Opening ☒ in.
WELL SEALED Yes How Concrete base poured around top of casing Approved
WELL VENTED Yes How 1 1/2" breather in pump head Approved
TYPE OF PUMP Turbine Make Pomona Capacity 1400 GPM Lubricated Water
DEPTH TO CYLINDER 140 ft. Tail Pipe 10 ft.
PUMP CONTROL: Manual ☒ Automatic ☐ Semi-Automatic ☐
STATIC LEVEL ft. Pumping Level No information ft. Drawdown ft.
OPTIMUM SPECIFIC YIELD 1220 GPM Drawdown ft. Time hrs.
RATE OF DRAWDOWN Rate of Recovery
TEMPERATURE OF WATER 84 °F Where Measured Temp. of Atmosphere °F
DRAWDOWN GAUGE INSTALLED No
TOPOGRAPHICAL POSITION OF WELL Flat area Subject to flooding by Perry Creek
WELL SITE INVESTIGATED Approved No Why not
WELL CONSTRUCTION REVIEWED? Approved Why not
PIT CONSTRUCTION: Purpose Station below street parking. Size and Description 24'3 1/2" x 13'2" Ht. 8'6" suction
Circular chamber below station 6' diam. x 18' deep connected by short tunnel with old tunnel.
CONDITION: Good Drainage Facilities Gravel sump
PUMP INSTALLATION: Approved Yes Why Not
CUTTINGS FROM WELL PRESERVED: No information Where
DEPTH TO BED ROCK 165' Depth to Water-bearing Stratum 165'
SOURCE OF WATER: Principal Formation Dakota Sandstone Other

Total Hardness 843 ppm. Total Iron 0.1 ppm. Sulfates 56.4 ppm. Fluorine 1.4 ppm.
Manganese 0.00 ppm. pH 7.1 CO₂ ppm.

REMARKS: This well and station were flooded during Perry Creek flood in July, 1944.
Can be pumped to waste to street.

WELL NO. 14

W. 6 TH. AND COOK STREET.
 AMOUNT OF SANDSTONE IN WELL - 107'-0"
 WELL COMPLETED - 1911.



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

WELL IS ON BOTTOM LAND