

Plot
Samples

Done
LME

W-1549

Pocahontas (Pocahontas County)
Pocahontas city well No. 2 (called #1 by town)

Thorpe Well Co., Des Moines
5/8/41 to 7/31/41

T.D. 214 ft.
S.W.L. 50 ft.
Production: 150 g.p.m. with 70 ft. of drawdown

Casing: 176'10" of 16" set at 176' (shoe on bottom)
40' of 10" Everdur screen (1 1/2 x 1/8 slot) set at 214 ft.
20' of 10" blank Everdur pipe attached to screen from 154-174 ft.
1'6" of 9" pipe attached to the blank Everdur pipe

Cement	0	to	2 1/2
Black dirt	2 1/2	to	5
Light gray clay	5	to	7
Blue clay	7	to	10
Sandy blue clay, water	10	to	12
Yellow clay	12	to	15
Gray silty drift, cavity 16-24 ft.	15	to	30
Gray silty drift	50	to	100
Yellow drift	100	to	140
Gray sand	140	to	160
Brown sandstone	160	to	232
Sand, coarse with lumps	232	to	236
Muddy gray sand	236	to	245
Blue shale	245	to	247
Gray muddy sand with chunks of shale	247	to	270
Shale	270	to	272

(pulled back and set screen at 214 ft.)

MAY 19 1944

K. E. ANDERSON

Pocahontas (POCAHONTAS CO.)

Town well No. 1 (W-154a)

Loc: NE/c-SE-SW-31-92-32

Elev: 1228' (hand level to C.R.I. & P. Station) this is ground at well.

Well is 100' about SE from standpipe in rear of brown brick building. One of the side holes is 5' W. of well (samples from side hole are from this location)

Well is a side-hole gravel pack by Thorpe Bros. of Des Moines. Edgar Hurtt driller.

Pumped with deepwell turbine, 10 HP Peerless Electric motor.

Mr. Sedlacek, Water Works superintendent.

Side hole No 1 went deeper than final well. See overlapping samples. Curb & location of sidehole same as well.

Well not used but pumped to waste every few days.

*Note: Results of sample study to
Mr. H.J. Sedlacek, Water Supt.
Pocahontas, Iowa.*

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

GROUND WATER

Town Pocahontas County Pocahontas Date July 25 19 41

WELL NO. 2 should be well #1? Active Standby Abandoned Replaced by No. _____

LOCATION: Street Buell Ave Sec. 31 T. 92 N.R. 32 East: West

Lot 7 Block Avd Plat Township _____

OWNERSHIP City Date Installed _____ 19 _____

CONTRACTOR Thorpe Bras Address D.M.

DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: 2 side hole G.P.

CURB ELEVATION _____ REFERENCE _____

TYPE OF CONSTRUCTION _____ Depth _____ ft. Diameter _____ in.

CASING: Material Youngstown Std. Condition New

SCREEN: Material Copper (Everdur) Length 40 ft. Diameter 9 1/2 in. Slot Opening 1/16 x 1 1/2 in.

WELL SEALED _____ How Conc. Approved _____

WELL VENTED _____ How _____ Approved _____

TYPE OF PUMP _____ Make _____ Capacity _____ GPM Lubricated _____

DEPTH TO CYLINDER _____ ft. Tail Pipe _____ ft.

PUMP CONTROL: Manual _____ 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 _____ °F Where Measured _____ Temp. of Atmosphere _____ °F

DRAWDOWN GAUGE INSTALLED _____

TOPOGRAPHICAL POSITION OF WELL _____

WELL SITE INVESTIGATED _____ Approved _____ Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Purpose _____ Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved _____ Why Not _____

CUTTINGS FROM WELL PRESERVED: _____ Where _____

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

SOURCE OF WATER: Principal Formation _____ Other _____

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

Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: _____

GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal $\frac{2'}{5'}$ Vertical	Position of seals, screens, static level, etc.

