

Samples

Dows (Wright County)
Dows City well No. 3

(compare with W-1621
which is from test hole)

Thorpe Well Co., Des Moines
8/4/42 to 2/26/43
Fred Souder, driller

T.D. 115 ft.
S.W.L. 13 ft.
Production: 90 g.p.m.

Casing: 58' of 12" set at 58 ft.
79'7" of 8" set at 79'7"
5' of 10" screen set at 84'7"
6'5" of 8" pipe set at 91 ft.
20' of 8" screen set at 109 $\frac{1}{2}$ ft.

Topsoil	0	to	1
Sand	1	to	14
Sand and gravel	14	to	30
Sand and gravel, rocks	30	to	32
Sand and gravel	32	to	35
Sand, rocks	35	to	36
Rocks and clay	36	to	49
Stiff blue clay	49	to	73
Sand and mud	73	to	75
Sand and clay	75	to	81
Stiff clay, some rocks	81	to	88
Blue clay	88	to	103
Fine sand and clay	103	to	112
Broken limestone	112	to	115

MAY 19 1944

K. E. ANDERSON

Town of Dows, Well No. 3

Loc: Center-NE-SE-N6-36-91-23

Elev: 1151'

} see test well information
in 103 files

(located 2 ft. south of test well, same elevation)

T.D. - 115 ft.

Static Level - 7' below ground

Contractor - Thorpe Well Co., Des Moines

Driller - Fred Souder

The well was drilled after completion of the first test hole.

Hole size: 48" at top, finish 8."

Casing:	48" from 0-18'	} temporary
	38" from 0-36'	
	34" from 0-37'	
	20" from 0-81'	
	16" from 0-115'	
	8" from 0-115'	

Well was gravelled with buckshot gravel between 16" and 8" pipe and the 16" pipe removed. Screen was run inside 8" pipe to bottom and 8" pipe jacked back so bottom of 8" pipe is now at 112 ft.

All larger pipes and curbing is temporary and will be removed.

Screen: Mfd. by Thorpe Well Co. 15 ft. long, $\frac{1}{8}$ " x $1\frac{1}{2}$ " slots, $7\frac{7}{16}$ " o.d. with lead seal at top. Screen set from 100-115 ft.

October 9, 1942

Mr. Louis F. Whitney
2745 Wilson Avenue, SW
Cedar Rapids, Iowa

Dear Mr. Whitney:

Regarding your inquiry for information on the
new well at Dows we have the following:

Total depth - 115'
Static water level - 7' below ground
Hole size - 8" at bottom

A preliminary test before development showed 25
g.p.m. with 7' of drawdown. This well is located 2'
south of the test well drilled last month.

I hope this is the information that you desired.
If there are any questions or if we can be of any
further help, please do not hesitate to call upon us.

Very truly yours,

K. E. Anderson

KEA:N

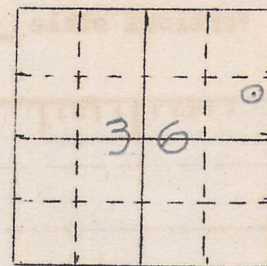
IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W-1871

RECORD OF WELL

Location:

Town: Dows (N E)
(S W); County Wright
E.
C-NE-SE-NE sec. 36 T. 9 N., R. 23 W. Blaine Twp.



Well name and number Dows City well #3

Owner _____ Address _____

Tenant _____ Address _____

Contractor Thorpe Well Co. Address _____

Drillers Fred Souder

Drilling dates 8-4-42 to 8-26-43

Well data:

Elevations: Drilling curb 1151 feet; Land surface _____ feet

Determined by H. Level

Topographic position _____

Total depth: Reported 115 feet; Measured _____ feet

Drilling method Drilled

Hole and casing data 58' of 12-inch casing from 0-58'

(Give amount, size, kind, and depth of all casing; type and

79'7" of 8-inch casing from 0-79'7"
position of seals and packers; cementing; how finished--perforated pipe, screen,

5' of 10-inch screen set at 84'7"
gravel pack, open hole, etc.)

6'5" of 8" casing set at 91'

20' of 8-inch screen set at 109 1/2'

Original depth to water _____ ^{above} ft. below curb Date _____

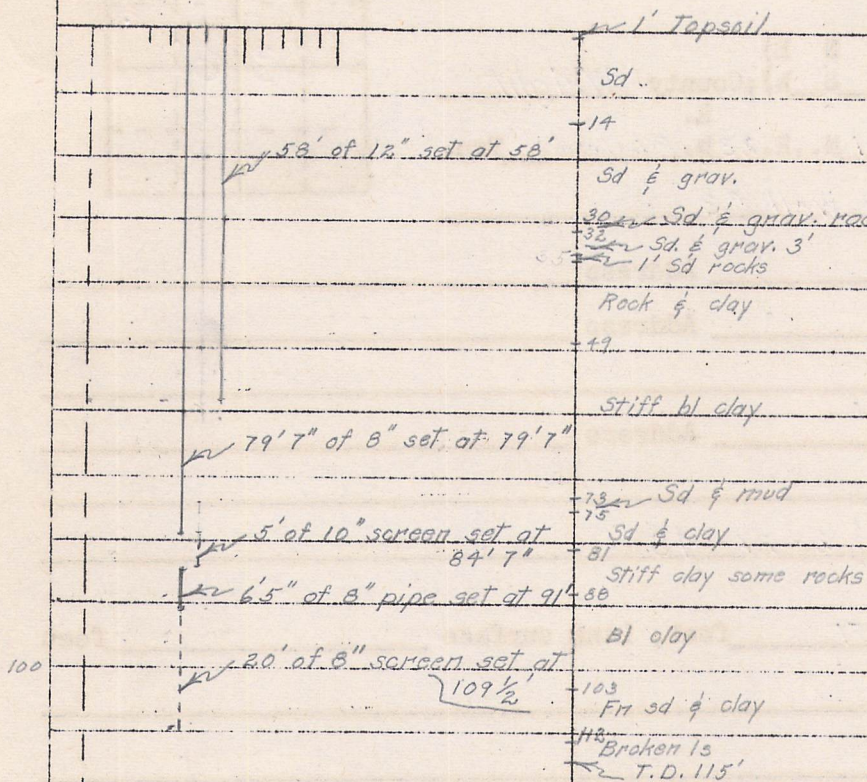
Original elevation of water level 1138 ft.; Source of data _____

Sources of water: Principal _____; Others _____

CASING DIAGRAM

LOG

Vertical scale 1-space = 10'



Production data:

Date

Static depth to water 13; Measuring pointPumping level _____ at 90 g.p.m.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature _____ °F.

Pump data: Type pump _____; Column: Dia. _____ Length _____

Cylinder or bowls: Dia. _____ Length _____; Suction pipe _____

Power _____; Airline _____

Estimated rate of production: _____ g.p.m. for _____ hrs. a day

Use of water City supply

WATER ANALYSES (in parts per million)

Date sampled 1/13/48Sampled by N.E. HalesTotal solids 397Insoluble matter 18Alkalinity (Meo) 323Alkalinity (Phn) NonepH 7.7 $\text{Fe}_2\text{O}_3 + \text{Mn}_2\text{O}_3 + \text{Al}_2\text{O}_3$ 6Alkali as sodium 7.5Calcium 93.6Magnesium 28.9Iron (unfiltered) 1.68Manganese .21Nitrate NoneFluoride .8Chloride 8.9Sulphate 36.8Bicarbonate 394Hardness (ppm) 356Hardness (gpg) 20.8

Remarks _____

this analysis refers to the 751 ft well drilled in 1948, S. Davis

Laboratory data:

Sample storage location _____

Sample range 0-115 No. spls. 27 No. dupls & cond. 23 PoorSpls. prepared by Fan & Schultz Washed range _____ by _____Driller's log and cond. Yes

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study 0-115 strip log 10-6-50Gen. log _____ Correl. by R. Screven