

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

WI 1991

Location: In Town

Town: Readlyn (NE) County Bremer (SW)

NW NW SE sec. 11 T. 9 N., R. 12 (W) Twp.

Well name and number _____

Owner Readlyn Town Well #3 Address Readlyn, Ia.
(1960)

Tenant _____ Address _____

Contractor Hoeg & Ames Address Lincoln, Ia.

Drillers _____

Drilling dates March 15-24, 1960

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet 1037

Determined by _____

Topographic position _____

Total depth: Reported 154' feet; Measured _____ feet

Drilling method _____

Hole and casing data 16" hole 0-15' 16" csg. 0-25'

12" hole 25-99'

99' of 10" pipe with steel drive shoe

set in 12" hole. 33 sacks cement

Original depth to water _____ above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

PRODUCTION DATA

Date _____

Static water level _____

41'

Pumping water level _____

45'7"

Yield (g.p.m.) _____

180 g.p.m.

Measuring point _____

Duration of pumping _____

Specific capacity _____

LABORATORY DATA

721-64

Well No. W11991

Sample range 0-154

No. of samples 26

No. of dupls. and cond. 26

Good

Washed range 75-154

Samples prepared by _____

Fishell

Date _____

4/8/60

Logged by _____

NORTMUP

Date _____

5/26/60

Correlations by _____

Date _____

5/26/60

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Water Resources Division

091-12W11 DBB
Readlyn Iowa 10.10.72
1991

11991

Water Quality
(ppm)

Card Q

State: IOWA 19 County: BREMER 09 Town: READLYN

Well No. Latitude 424223N Longitude 0921332 Seq. No. 1 Date M 03 D 28 Y 63

Sampling Depth Type 1 Kx10^e 585 pH 74 Temp. °F

SiO₂ 18. Ca 77. Mg 24. Na 16. K 18.

HCO₃ 386 CO₃ 0 SO₄ 74. Cl .5 Source No. 5 Q

Card R

Duplicate Columns 1-25 from Card Q

F .4 NO₃ .4 PO₄ B . Al . Fe 17.

Mn .05 Cu . Pb Zn .

Solids Hardness

Determined 350 Calc. Ca, Mg 292 Non-Carb.

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br . I . Alk. as CaCO₃ 316 Free CO₂ SAR .

RSC ABS .

Alpha (pc/l) Beta (pc/l) Ra (pc/l) . U (ug/l) .

No. 5
80

Recorded by: Hepburn

Punched by: Mac Gowen Date: 8-23-72

Published: _____

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Water Resources Division

091-12W-11 DBB
Readlyn Town Well 1960
11991

11991

Water Quality
(ppm)

Card Q

State: IOWA 1 9 County: BREMER 0 9 Town: READLYN

Well No. 4 2 4 2 2 3 N 0 9 2 1 3 3 2 Seq. No. 1 Date 0 3 2 8 6 3

Sampling Depth Type 1 Kx10⁶ 5 8 3 pH 7 5 Temp. °F

S₁₀₂ 1 7 Ca 7 7 Mg 2 4 Na 1 7 K 1 8

HCO₃ 3 7 7 CO₃ 0 SO₄ 7 9 Cl 5 Source No. 3 9

Card R

Duplicate Columns 1-25 from Card Q

F 4 NO₃ 2 PO₄ B Al Fe 1 2

Mn 0 5 Cu Pb Zn

Determined 3 5 2 Solids Calc. Ca, Mg 2 9 0 Hardness Non-Carb. 0

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 3 0 9 Free CO₂ SAR

RSC ABS

Alpha (pc/l) Beta (pc/l) Ra (pc/l) U (ug/l)

No. 5
80

Recorded by: He [unclear]

Punched by: Mac Lowan Date: 8-23-72

Published: _____

UNITED STATES DEPARTMENT OF THE INTERIOR
 Geological Survey
 Water Resources Division

091-12W-11 DEB
 Readlyn Iowa 7/16/72
 91991

Water Quality
 (ppm)

Card Q

State: IOWA 19 County: BREMNER 09 Town: READLYN

Well No. Latitude 424223N Longitude 0921332 Seq. No. 1 Date M 080 D 97 Y 2

Sampling Depth Type 1 Kx10⁶ 580 pH 73 Temp. °F

SiO₂ 17. Ca 80. Mg 20. Na 19. K 18.

HCO₃ 393 CO₃ 0 SO₄ 11. Cl 3. Source No. 3 0

Card R

Duplicate Columns 1-25 from Card Q

F 0.1 NO₃ 0.5 PO₄ B Al Fe 1.7.

Mn 0.05 Cu Pb Zn

Determined 343 Solids Calc. Ca, Mg 284 Hardness Non-Carb. 0

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 322 Free CO₂ SAR

RSC ABS

Alpha (pc/l) Beta (pc/l) Ra (pc/l) U (ug/l)

No. 9
 80

Recorded by: Hejman

Punched by: Mac Gowan Date: 8-23-72
 Published: _____



MEMBER

Phone GR 3-2707

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

W11991



TOWN OF READLYN, IOWA - LOG OF WELL NO. 3

Started drilling - March 15, 1960

Finished drilling - March 24, 1960

Drilled 16 in. hole 0-15 ft.

Set 16 in. temporary casing 0-25 ft.

Drilled 12 in. hole 25-99 ft.

Set 99 ft. of 10 in. pipe, equipped with a steel drive shoe in 12 in. hole.

Cemented 10 in. pipe in 12 and 16 in. hole from 0-99 ft.

PUT IN 2 yd CEMENT ON MARCH 23 - 33 SACK ON MARCH 24

Formation:	Yellow clay	0-15 ft.
	Yellow sandy clay	15-60 Ft.
	Blue clay	60-72 Ft.
	Brown limestone	72-152 Ft.
	Red shale	152-154 Ft.



MEMBER

Phone GR 3-2707

HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

WI 1991

☆☆☆

LINCOLN, IOWA



TOWN OF READLYN, READLYN, IOWA - PUMPING RECORD - WELL #3

March 24, 1960

<u>TIME</u>	<u>WATER LEVEL</u>	<u>DRAWDOWN</u>	<u>GAL. PER MIN.</u>	<u>REMARKS</u>
12:45 P.M.	41'			Started pump
12:50	42' 8"	1' 8"	180	
1:00	42' 8"	1' 8"	180	
1:30	43' 3"	2' 3"	180	Water clear
2:00	43' 10"	2' 10"		
2:30	44' 2"	3' 2"	180	Clear
3:00	44' 6"	3' 6"		
3:30	44' 8"	3' 8"	180	Clear
4:00	44' 11"	3' 11"	180	
4:30	45' 3"	4' 3"		
5:00	45' 5"	4' 5"	180	
5:30	45' 7"	4' 7"	180	
6:00	45' 9"	4' 9"	∅	Shut off pump.

10 H.P. Sump - 3 in. pipe

84 ft. pump setting

*Compare with Thorpe log
50' away -*