

STATE				COUNTY				LATITUDE				LONGITUDE				NO.		
								DEG.	MIN	SEC.	N or S	DEG.	MIN	SEC.	SEQ.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	9	6	7	4	2	0	2	4	5	N	0	9	5	4	2	2	0	2

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 084-42W-35BCD CO. MONONA
OWNER UTE, CITY (1935) ADDRESS UTE, Iowa
DRILLER RASMUSSEN BROS WELL CO. DATE DRLED. 1935
MAP 1:63,360 COUNTY HWY. _____
SOURCE OF DATA FILE
DESCRIPTION M. P. LSD FEET (ABOVE) LSD 1173 FT.
(BELOW)

CONTINUED FROM ABOVE	ACCURACY	LOCAL WELL NUMBER												LOCAL USE										OWNER OR NAME																OWNERSHIP	WATER USE	WELL USE	WELL DATA	FREQ. W/L	FIELD CHAR	HYD. LAB.	QW - DATA	QW - FREQ.	PUMPAGE	APERTURE	LOG DATA	CARD NO.								
		T.		R.	E _W	SEC.	QUARTERS		W-NUMBER		OPTIONAL																																																	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57														58	59	60	61	62	63	64	65
2	0	8	4	4	2	W	3	5	B	C	D				0	0	3	6	1	/	/	3	5	C	I	T	Y						U	T	E			I	O	W	A						M	P	W	4	N			C	I			G	D	A

WELL-DESCRIPTION CARD - B

[illegible]

HYDROGEOLOGIC CARD - C

[illegible]

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

12 IN. CASING TO 55 FT.

12 IN. SCREEN BELOW CASING.

CODED BY D. AARONSON DATE 10 JULY 1970

PUNCHED BY 7 DATE

VERIFIED BY 100 DATE

SKETCH ON REVERSE: YES _____ NO ✓

35

WELL NO. 084-42W-35BCD

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources DivisionLocal Well No. 084-42W-35 BCDAquifer Code(s) QGGXWater Quality
(ppm)Owner's Name UTE CITY (1935)W Number 00361

Card Q

State: Iowa 19 County: MONONA 67 Town: UTE, Iowa

Well No. 420245N 0954220 Seq. No. 2 Date 061046

Sampling Depth 68 Type 1 Kx10⁶ 31 pH 7.4 Temp. °F 39

SiO₂ 42 Ca 109 Mg 38 Na 17 K C

HCO₃ 393 CO₃ 66 SO₄ 43 Cl 34 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 3 NO₃ 4 PO₄ 33 B 36 Al 39 Fe 42

Mn 46 Cu 50 Pb 53 Zn 55

Determined 404 Solids 64 Ca, Mg 429 Hardness Non-Carb. 107

Color 78 No. R

Card S

Duplicate Columns 1-25 from Card Q

Br 26 I 29 Alk. as CaCO₃ 322 Free CO₂ 36 SAR 39

RSC 42 ABS 45 48 50

Alpha (pc/l) 55 Beta (pc/l) 58 Ra (pc/l) 61 U (ug/l) 64

No. S
80Recorded by: D. AARONSONPunched by: T Date: Published:

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources Division

Local Well No. 084-42W-35BCD

Aquifer Code(s) Q66X

Water Quality
(ppm)

Owner's Name UTE, CITY (1935)

W Number 00361

Card Q

State: Iowa 19 County: MONONA 67 Town: UTE, Iowa

Well No. 420245N 0954220 Seq. No. 2 Date 110156

Sampling Depth 68 Type 1 Kx10⁶ 990 pH 7.5 Temp. °F 58

SiO₂ 291 Ca 136 Mg 471 Na 86 K 58

HCO₃ 432 CO₃ 0 SO₄ 621 Cl 381 Source No. 3Q

Card R

Duplicate Columns 1-25 from Card Q

F 3 NO₃ 1071 PO₄ 33 B 36 Al 39 Fe 42

Mn 46 Cu 50 Pb 53 Zn 55

Determined 643 Solids 63 Calc. 64 Ca, Mg 533 Hardness 70 Non-Carb. 74

Color 78 No. R

Card S

Duplicate Columns 1-25 from Card Q

Br 26 I 29 Alk. as CaCO₃ 354 Free CO₂ 36 SAR 39

RSC 42 ABS 45 48 50

Alpha (pc/l) 55 Beta (pc/l) 58 Ra (pc/l) 61 U (ug/l) 64

No. S
80

Recorded by: D. AARONSON

Punched by: T Date: 3

Published: _____

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources DivisionLocal Well No. 084-42W-35BCDAquifer Code(s) 00361Water Quality
(ppm)Owner's Name UTE, CITY (1935)W Number 00361

Card Q

State: IOWA 1 9 County: MONONA 6 7 Town: UTE, IOWA

Well No. 4 2 0 2 4 5 N 0 9 5 4 2 2 0 Seq. No. 2 Date 1 2 1 3 5 7

Sampling Depth 6 8 Type 1 Kx10⁸ 1 1 0 0 pH 7 1 Temp. °F 5 4

SiO₂ 3 3 1 Ca 1 4 7 1 Mg 5 5 1 Na 8 6 K 6 0

HCO₃ 4 7 8 CO₃ 0 SO₄ 7 9 1 Cl 5 2 1 Source No. 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F 4 NO₃ 7 1 1 PO₄ 1 1 1 B 1 1 1 Al 1 1 1 Fe 0 6

Mn 0 5 Cu 1 1 1 Pb 1 1 1 Zn 1 1 1

Solids 7 1 8 Calc. 1 1 1 1 1 1 Ca, Mg 5 9 3 Hardness Non-Carb. 2 0 1

Determined 7 1 8 Color 1 1 No. R

Card S

Duplicate Columns 1-25 from Card Q

Br 1 1 1 I 1 1 1 Alk. as CaCO₃ 3 9 2 Free CO₂ 1 1 1 SAR 1 1 1

RSC 1 1 1 ABS 1 1 1 1 1 1

Alpha (pc/l) 1 1 1 Beta (pc/l) 1 1 1 Ra (pc/l) 1 1 1 U (ug/l) 1 1 1

No. S
80Recorded by: D. AARONSONPunched by: T Date: Published:

Geological Survey
Water Resources Division

Aquifer Code(s) QGGX

Owner's Name UTE, City (1935)

W Number 00361

State: IOWA

1	9
1	2

 County: MONONA

6	7
3	4

 Town: UTE, IOWA

Well No.

Latitude					
4	2	0	2	4	5 N

Longitude					
0	9	5	4	2	2 0

 Seq. No.

2

 Date

M	D	Y
0	4	2
2	5	6
2	5	2

Sampling Depth

		6	8
--	--	---	---

 Type

1

 Kx10⁶

		8	4	3
--	--	---	---	---

 pH

7	2	
---	---	--

 Temp. °F

--	--	--

SiO₂

2	8
---	---

42	44
----	----

 Ca

	1	1	0
--	---	---	---

45	49
----	----

 Mg

4	1
---	---

50	53
----	----

 Na

	9	2
--	---	---

54	58
----	----

 K

4	5
---	---

59	63
----	----

HCO₃ CO₃ SO₄ Cl

Duplicate Columns 1-25 from Card Q

F

		3
--	--	---

 NO₃

2	6	
---	---	--

 PO₄

--	--	--

 B

--	--	--

 Al

--	--	--

 Fe

	4	8
--	---	---

Mn

		05
--	--	----

 46 49 Cu

--	--

 50 52 Pb

--	--

 53 54 Zn

--	--

 55 57

[illegible]

Color

--	--

 No.

R

Duplicate Columns 1-25 from Card Q

Br

--	--	--

 I

--	--	--

 Alk. as

	3	5	8
--	---	---	---

 Free

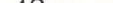
--	--	--

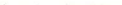
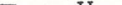
 SAR

--	--	--

26 28 29 31 32 35 36 38 39 41

CaCO₃ CO₂

RSC  ABS   

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

No. S
80

Recorded by: D. AARONSON

Punched by: T Date:

Published: _____

Geological Survey
Water Resources Division

W Number 00361

Water Quality
(ppm)

State: IOWA

1	9
---	---

 County: MONONA

6	7
---	---

 Town: UTE, IOWA

Well No.

Latitude					
4	2	0	2	4	5
					N

Longitude					
0	9	5	4	2	2
					0

 Seq. No.

2

 Date

M	D	Y
0	9	2
8	6	5

Sampling
Depth

		6	8
--	--	---	---

 Type

1

 Kx10⁶

	1	1	8	0
--	---	---	---	---

 pH

7	4
---	---

 Temp. °F

--	--	--

SiO₂

3	4
---	---

42	44
----	----

 Ca

	1	5	0
--	---	---	---

45	49
----	----

 Mg

	5	6
--	---	---

50	53
----	----

 Na

	1	1
--	---	---

54	58
----	----

 K

	7	2
--	---	---

59	61
----	----

HCO₃

	4	8	8
--	---	---	---

62 65 CO₃

	0
--	---

66 67 SO₄

		7	4	
--	--	---	---	--

68 72 Cl

			4	9	
--	--	--	---	---	--

73 78

3

79

Q

80

Duplicate Columns 1-25 from Card Q

F

	2
--	---

 NO_3

9	0
---	---

 PO_4

--	--

 B

--	--

 Al

--	--

 Fe

1	0
---	---

Mn

	05
--	----

 46 49 Cu

	52
--	----

 50 52 Pb

--	--

 53 54 Zn

--	--

 55 57

46 49 50 Solids 52 53 54 55 57 Hardness
Determined

			7	2	5
--	--	--	---	---	---

 Calc.

--	--	--	--	--	--

 Ca, Mg

	6	0	5
--	---	---	---

 Non-Carb.

	2	0	5
--	---	---	---

58 63 64 69 70 73 74 77

Color

--	--

 No.

R

Duplicate Columns 1-25 from Card Q

Br

	●	
--	---	--

 I

	●	
--	---	--

 Alk. as

	400	
--	-----	--

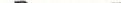
 Free

--	--	--

 CO₂ SAR

	●	
--	---	--

RSC  ABS   

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

No. S
80

Recorded by: D. AARONSON

Punched by: 7 Date:

Published:

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

W-0361

RECORD OF WELL

Location:

Town: Ute (N E)
(S W): County MONONA

SE SW NW sec. 35 T 84 N., R. 42 W. E. Twp.

0	35	

Well name and number Town Well

Owner _____ Address _____

Tenant _____ Address _____

Contractor Rasmussen Bros. Well Co. Address _____

Drillers _____

Drilling dates 1935

Well data:

Elevations: Drilling curb _____ feet; Land surface 1173 feet

Determined by ANEROID CFB July 1931 from C&STP STAT. UTE, Ia El. 1195

Topographic position valley

Total depth: Reported 67 1/2 feet, Measured _____ feet

Drilling method _____

Hole and casing data 12-inch std. blk pipe 0-55'

12-inch #30-slot Johnson All brass well screen below casing

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

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

Sources of water: Principal _____; Others _____

LOG

Vertical scale

[illegible]

Production data:

Date

Static depth to water

Measuring point

Pumping level at 100 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

WATER ANALYSES (in parts per million)

Date samples

Sampled by

Total solids 480.0

Insoluble matter 23.8

Alkalinity (Meo)

Alkalinity (Phn)

pH

 $\text{Fe}_2\text{O}_3 + \text{Mn}_2\text{O}_3 + \text{Al}_2\text{O}_3$

Alkali as sodium 15.4

Calcium 93.1

Magnesium 34.2

Iron (unfiltered) 0.1

Manganese tr.

Nitrate 71.0

Fluoride 1.0

Chloride 23.0

Sulfate 31.2

Bicarbonate 366.0

Hardness (ppm) 374.0

Hardness (gpg)

Remarks Marked 63' approximate depth

Laboratory data:

Sample storage location

Sample range 0-67 1/2 No. spls. 5 No. dupls. & cond. 3

Spls. prepared by Washed range by

Driller's log and cond. Yes

Insoluble residues: Prepared by Studied by Strip log

Microscopic study EmR strip log Apr. 20, 1950

Gen. log Correl. by