

W#602

1-9-95

This well has been plugged by
Jim Schumacher Well Drilling. R.E.
Conversation of 1-6-95

Bob Pyle

9-26-69

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

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 096-27W-35 DADD CO. KOSZUTH

OWNER WESLEY CITY WELL #2 (1937) ADDRESS WESLEY, IOWA

DRILLER THORPE WELL CO. DATE DRLD. 1937

MAP 1:63,360 COUNTY HWY.

SOURCE OF DATA FILE

DESCRIPTION M. P. LSD FEET (ABOVE) (BELOW) LSD 1252 FT.

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															
		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	66	67	68
	2	0	9	6	2	7	W	3	5	D	A	D			0	0	6	0	2	/	/	3	7	C	I	T	Y				2	W	E	S	L	E	Y				I	O	W	A					M	P	W	3	0				C	I			G	D	A

WELL-DESCRIPTION CARD - B

DUPLICATE CARD A CC 1-19	DEPTH OF WELL			ACCURACY	DEPTH CASED OR FIRST PERF				DIAM. INCHES		WELL FISH	METH. DRILLED	YEAR DRILLED			PUMP SETTING			METH. LIFT	DEEP SHALLOW	POWER	ALTITUDE OF LSD (FEET)					ACCURACY	WATER LEVEL (FEET)					ACCURACY	DATE		YIELD OF WELL (GPM)										METH.	DET.	DRAW- DOWN (FEET)			ACCURACY	PUMPING PERIOD (HOURS)				QUALITY OF WATER										CARD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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HYDROGEOLOGIC CARD - C

[illegible]

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

195' 11" OF 8" SET @ 195' 11"

CODED BY D. AARONSON DATE 9 FEB. 1970

PUNCHED BY _____ DATE _____

VERIFIED BY _____ DATE _____

SKETCH ON REVERSE: YES _____ NO ✓

35

WELL NO. 096-27W-35 DADD

UNITED STATES DEPARTMENT OF THE INTERIOR

Geological Survey
Water Resources DivisionLocal Well No. 096-27W-35 DADDAquifer Code(s) DZMC D3UXOwner's Name VESLEY CITY #2 (1937)W Number 0602Water Quality
(ppm)

Card Q

State: Iowa 19 County: Kossuth 55 Town: VESLEY, IOWA

Well No. 430506N 0935932 Seq. No. 1 Date 090756

Sampling Depth 302 Type 1 Kx10⁶ 841 pH 7.7 Temp. °F

SiO₂ 151 Ca 52 Mg 211 Na 1151 K 30

HCO₃ 495 CO₃ 0 SO₄ 421 Cl 70 Source No. 3Q

Card R

Duplicate Columns 1-25 from Card Q

F 8 NO₃ 4 PO₄ B Al Fe 78

Mn 05 Cu Pb Zn

Solids Hardness 217 Non-Carb. 0

Determined 507 Calc. Ca, Mg

Color No. R

Card S

Duplicate Columns 1-25 from Card Q

Br I Alk. as CaCO₃ 406 Free CO₂ SAR

RSC ABS

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

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

THORPE BROTHERS WELL COMPANY

2340 Sixth Avenue
DES MOINES, IOWA

Kossuth Co.

Drilled for Town of Wesley at Wesley, Ia

Drilling started May 10th 1937 19 Completed June 5th 1937 19

Well No. Kind of Well Drilled Depth 302' Size hole started 12" in.

Finish 8" G. P. M. 145 Static head 90' Drawdown

Water was first encountered at 215 in Limestone Approximate Amount 10 GPM

Remarks

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
8"	195'11"	Surface				

Driller From Surface to feet

Driller From feet to feet

Driller From feet to feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION	TOTAL DEPTH FEET
30	Sandy clay	30
20	Blue sandy clay	50
65	Blue clay	115
60	Shale	175
10	Gray drift	185
5	Dirty sand	190
20	Limestone	210
3	Shale	213
89	Limestone- some shale streaks	302

Wesley (Kossuth County)
Wesley city well

Thorpe Well Co., Des Moines
5/10/37 to 6/5/37
J. E. Martin and Harry West, drillers

T. D. 302 ft.
S.W.L. 90 ft.
Production: 145 g.p.m.

Casing: 195'11" of 8" set at 195'11"

Sandy clay	0	to	30
Blue sandy clay	30	to	50
Blue clay	50	to	115
Shale	115	to	175
Gray drift	175	to	185
Dirty sand	185	to	190
Limestone	190	to	210
Shale	210	to	213
Limestone, some shale streaks	213	to	302

Wesley, Kossuth County

New City Well

1937?

Drawdown & recovery measurements, using vacuum gauge on pump. Sept. 6, 1936

Time	Water Level in Feet	Interval		Total		Production in gpm.	Remarks
		D'down in Feet	Elapsed Time in Mins	D'down in Feet	Elapsed Time in mins		
10:15	98	20	1				Static level after 14 hrs. rest. Pump started 10:15 old pump running at 17 gpm, shut off at 10:15
10:16	128	9	1	20	1		
10:17	137	5	1	29	2		
10:18	142	1 1/2	1	34	3		
10:19	143 1/2	1 1/2	1	35 1/2	4		
10:20	145	2	5	37	5	122	
10:25	147	1	5	39	10		
10:30	148	1 rec.	5	40	15	118	
10:35	147	6 rec	20	39	20		
10:55	141	1 rec	5	33	40		
11:00	140	0	4	32	45	100	
11:04	140			32	49		Pump stopped 11:04

Time	Water Level	Interval		Total	
		Recovery	Elapsed Time	Recovery	Elapsed Time
11:04	140	35	1		
11:05	105	2 1/2	1	35	1
11:06	102 1/2	1 1/2	1	37 1/2	2
11:07	101	1	1	39	3
11:08	100	1/2	1	40	4
11:09	99 1/2	1 1/2	5	40 1/2	5
11:14	97	1	5	43	10
11:19	96	1 1/4	15	44	15
11:34	95 3/4	1/2	15	44 1/4	30
11:49	95 1/4			44 3/4	45

Note: Static level of 94' measured Sept. 5 after 6 hr. rest with old pump not running.

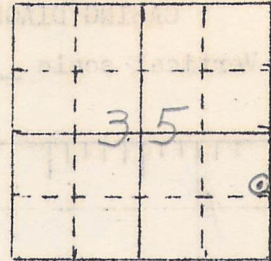
IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W-0602

RECORD OF WELL

Location:

Town: Wesley (N E)
(S W); County Kossuth
E.
SE/4 - NE - SE sec. 35 T. 96 N., R. 27 W. Wesley Twp.



Well name and number City well

Owner _____ Address _____

Tenant _____ Address _____

Contractor Thorpe Well Co. Address Des Moines

Drillers J. E. Martin & Harry West

Drilling dates May 10 - June 5, 1937

Well data:

Elevations: Drilling curb 1252 feet; Land surface _____ feet

Determined by _____

Topographic position Upland plain

Total depth: Reported 302 feet; Measured _____ feet

Drilling method _____

Hole and casing data 195'11" of 8" casing from 0 to 195'11"
(Give amount, size, kind, and depth of all casing; type and

position of seals and packers; cementing; how finished--perforated pipe, screen,
gravel pack, open hole, etc.)

Original depth to water 94 ^{above} ft. below curb Date _____

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

Sources of water: Principal Devonian 290-96'; Others _____

CASING DIAGRAM

LOG

Vertical scale 1-space = 10'

Sdy clay

30

Bl. sdy clay

50

195' 11" of 8" set at
195' 11"

Bl. clay

115

Sh

175

Gr drift

185

Dirty sd

190

Ls

210

Sh

213

Ls, some sh streaks

T.D. 302'

Production data: Date _____

Static depth to water 90' Measuring point _____

Pumping level 120' at 145' g.p.m. * (from d.r.) _____

145' 122' (from pump test 9/6/36)?

Specific capacity 2.3 g.p.m. per ft. drawdown; Temperature 47 3/4 °F.

Pump data; Type pump Turbine Column Dia. _____ Length 161' 4"

Cylinder or bowls: Dia. _____ Length _____ Suction pipe 10'

Power Electricity 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	<u>Sept. 6, 1937</u>	_____	_____	_____
Sampled by	<u>H.G. Hershey</u>	_____	_____	_____
Total solids	<u>528.0</u>	_____	_____	_____
Insoluble matter	<u>16.0</u>	_____	_____	_____
Alkalinity (Meo)	<u>100.0</u>	_____	_____	_____
Alkalinity (Phn)	<u>0.0</u>	_____	_____	_____
pH	<u>7.1</u>	_____	_____	_____
Fe ₂ O ₃ + Mn ₂ O ₃ + Al ₂ O ₃	<u>2.5</u>	_____	_____	_____
Alkali as sodium	<u>102.9</u>	_____	_____	_____
Calcium	<u>52.9</u>	_____	_____	_____
Magnesium	<u>21.5</u>	_____	_____	_____
Iron (unfiltered)	<u>0.9</u>	_____	_____	_____
Manganese	<u>0.05</u>	_____	_____	_____
Nitrate	<u>0.00</u>	_____	_____	_____
Fluoride	<u>1.0</u>	_____	_____	_____
Chloride	<u>7.0</u>	_____	_____	_____
Sulfate	<u>52.1</u>	_____	_____	_____
Bicarbonate	<u>488.0</u>	_____	_____	_____
Hardness (ppm)	<u>222.0</u>	_____	_____	_____
Hardness (gpg)	<u>13.0</u>	_____	_____	_____
Remarks	_____	_____	_____	_____

Laboratory data: Sample storage location _____

Sample range 190 - 302 No. spls. 22 No. dupls. & cond. _____

Spls. prepared by _____ Washed range _____ by 22 good

Driller's log and cond. Yes fair

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

Microscopic study 190-302 JBC strip log 1939 JBC

Gen. log _____ Correl. by Carrier

Measuring point

Date	Depth to water	Altitude	Remarks
Sept. 6, 1936	9.8		after 12 hours non-pumping