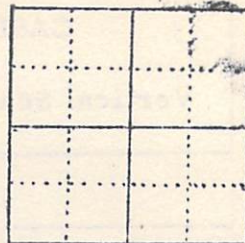


IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 8798



This is W-6375 (W-340) well was deepened (340-495') in 1957

Location:

Town: AGENCY (NE) (SW): County WAPELLO

sec. 36 T. 72 N., R. 13 W. Twp.

Well name and number

Owner AGENCY CITY WELL #1 (1957) Address

Tenant Address

Contractor C.L. JENNINGS Address NEW LONDON, IOWA

Drillers DON ANGSTEAD

Drilling dates MAY 27-JUNE 3, 1957

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position UPLAND

Total depth: Reported 495 feet, Measured feet

Drilling method CABLE TOOLS

Hole and casing data 330' 2" OF 5" CASING 0-330' 2"

125' 3" OF 4" CASING 330' TO 455'

THIS IS AN OLD WELL DRILLED DEEPEN. (W-6375)

(This was Well No. 1 (Survey has drillers log only) that was deepened in 1957)

Original depth to water 134 ft. below Date

Source of data

Sources of water: Principal

Others

Production Data

Date _____
 Static water level 134 _____
 Measuring point _____
 Pumping water level _____
 Yield (g. p. m.) 7 _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. W 8798 Sample range 340-495 No. of samples 31
 No. of dupls. and cond. 31- Good Washed range 340-495
 Samples prepared by C. J. Hump Date 9-9-57
 Logged by NORTHUP Date JAN. 1958
 Correlations by _____ Date _____

NE. of Town of Agency WELL RECORD in city limits

Well is located.....miles S and.....miles S from
N E
W W

Agency.....in Wapello.....
(Nearest Town) (County)

in the 1/4 Sec. T. 72 R. 13

Owner AGENCY Well No. 2

Postoffice address

Contractor C. J. TENNINGS

Address NEW. LONDON

Driller WEBBERS

Well begun NOV. 9, 1953

completed Nov 17, 1953

Rig used—Cable, Rotary, Jet, or.....

Depth of well.....91-91.2"
(Feet)

Size of hole (note total amount of each size).....12" to

180 ft. 10' 1/2 304 ft. 12"

Main water supply at 287' to 298'.
(Feet below surface)

Final water head.....
(Feet above or below surface)

Is well pumped?.....

Yield,
(Gallons per minute)

Water level when pumping.....

Position of well.....
(Upland, valley, side hill, etc.)

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
12"	91-9	91-9		45lb Steel	
8"				wrought Iron	

*As cast, wrought iron, steel, concrete, etc.

Is screen used?..... Diameter.....
(Inches)

Length..... Depth to bottom.....
(Feet)

Depth to top..... Slot size.....

Are packers or seals used?.....

Kind

Where used.....

Kind of pump..... Dia.....
(Inches)

Capacity of pump.....
(g.p.m.)

Power used.....
(Kind and amount)

Depth to bottom of pump line..... feet,
including feet tailpiece.

Remarks on construction of well.....

Sample No.	DEPTH		THICKNESS
	From	To	
	0	5	80
	5	10	
	10	15	
	15	20	
	20	25	
	25	30	
	30	35	
	35	40	
	40	45	
	45	50	
	50	55	
	55	60	
	60	65	
	65	70	
	70	75	
	75	80	
	80	85	

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
SOFT CLAY	
YELLOW. CLAY	
" " "	
" " "	
" " "	
" " WATER	
" " "	
" " "	
SAND. GRAVEL. MUD	
" " "	
" " "	
SHALE. SAND	
" " "	
" " "	
" " "	
" " "	
YELLOW. CLAY	

Sample No.	DEPTH		THICKNESS
	From	To	
	85	90	
	90	95	
	95	100	
	100	105	
	105	110	
	110	115	
	115	120	
	120	125	
	125	130	
	130	135	
	135	140	
	140	145	
	145	150	
	150	155	
	155	160	
	160	165	
	165	170	

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
YELLOW CLAY
" "
" "
GRAY SHALE
" "
" "
" "
SAND - SHALE
SAND -
" "
" "
" "
" "
" "
BLUE SHALE, MUD
BLACK SLATE

Sample No.	DEPTH		THICKNESS
	From	To	
	170	175	
	175	180	
	180	185	
	185	190	
	190	195	
	195	200	
	200	205	
	205	210	
	210	215	
	215	220	
	220	225	
	225	230	
	230	235	
	235	240	
	240	245	
	245	250	
	250	255	

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
GRAY SHALE		
LIME, REDUCE AT 180-185		
LIME		
SHALE, BLUE		
BLACK SLATE SHALE		
2 nd TEST, WATER, 1 gal. min		
" " "		
" " "		
GRAY SAND + SHALE		
" " "		
" " "		
" " "		
" " "		
SAND, GRAY		
BLUE SHALE SAND		
" " "		
LIME, GRAY SHALE		

Sample No.	DEPTH		THICKNESS
	From	To	
255	255	260	
260	260	265	
265	265	270	
270	270	275	
275	275	280	
280	280	285	
285	285	290	
290	290	295	
300	300	305	
305	305	310	
310	310	315	
315	315	320	
320	320	325	
325	325	330	
330	330	335	
335	335	340	

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

71 Me.

2W/7

7/12/2005

SANDY. L. JAMES

2 m 19 c 4 rub

Good dry water

Spent Day Water

June 29 1898.

From Mrs. Sander

Time they don't

James M. Smith

From the 1st of January

May June 20

Drayton

May time

May June

REUCK, the
A 3044

WELL RECORD

Well is located.....miles S and.....miles S from
 N E N
 E E E
 W W W

Agency in Wapello
 (Nearest Town) (County)

in the 1/4 1/4 Sec. T. R.

Owner City Well No. 2

Postoffice address

Contractor Ch Jennings

Address New London

Driller Don Angstead

Well begun May 27, 1957;

completed June 3, 1957

Rig used—Cable, Rotary, Jet, or

Depth of well 347' original
 (Feet)

Size of hole (note total amount of each size) 347 -

5"

Main water supply at
 (Feet below surface)

Final water head 134
 (Feet above or below surface)

Is well pumped? Yes

Yield 7 GPM
 (Gallons per minute)

Water level when pumping

Position of well upland
 (Upland, valley, side hill, etc.)

[illegible]

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
5-27-57	154			5	205
5-28-57	160				
5-29-57	160				
5-30-57	160				
5-31-57	160				
6-1-57	150				
6-1-57	150			7	240
6-3-57	150				

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

RECORD OF PERMANENT CASING

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
5"	330'2"	330'2"			
4"	125'3"	455'	330		

*As cast, wrought iron, steel, concrete, etc.

Is screen used?..... Diameter.....
(Inches)

Length..... Depth to bottom.....
(Feet)

Depth to top..... Slot size.....

Are packers or seals used?.....

Kind

Where used.....

Kind of pump..... Dia.....
(Inches)

Capacity of pump.....
(g.p.m.)

Power used.....
(Kind and amount)

Depth to bottom of pump line..... feet,
including feet tailpiece.

Remarks on construction of well.....

Sample No.	DEPTH		THICKNESS
	From	To	
5-27-57	340	347	
	347	350	
	350	355	
	355	360	
	360	365	
5-28-57	365	370	
	370	375	
	375	380	
	380	385	
	385	390	
	390	395	
5-28-57	395	400	
	400	405	
	405	410	
	410	415	
	415	420	
5-30-57	420	425	

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
Fill	
Rock	Hard
Rock	- Shale
"	Hard
Rock	- Shale
Shale &	Rock
Shale	
Shale	
"	
2 ft Shale	- Rock Hard
Hard Rock	& Shale
Rock	& Shale
Rock	Hard
Rock	& Shale
Rock	& Shale
Shale	
Rock	& Shale

Sample No.	DEPTH		THICKNESS
	From	To	
	425	430	
	430	435	
	435	440	
	440	445	
5-31-57	445	450	
	450	455	
	455	460	
	460	465	
6-1-57	465	470	
	470	475	
6-3-57	475	480	
	480	485	
	485	490	
	490	495	

[illegible]