

6943

Town: Clemens (N E)
(S W) : County Marshall
? sec. ^{2 or 3 ?} T. 84 N., R. 20 W. Winona Twp.

Others _____

Production Data

Date _____
 Static water level _____
 Measuring point _____
 Pumping water level _____
 Yield (g. p. m.) _____
 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. _____

W 6913

Laboratory Data

EF8-7

Well No. _____ Sample range 0-52 No. of samples 10
 No. of dupls. and cond. 10 - Good Washed range _____
 Samples prepared by Cox - MORGAN Date 12/21/54
 Logged by NORTHUP Date 3/23/55
 Correlations by NORTHUP Date 3/23/55

WELL RECORD

Well is located.....miles ^N_E S and.....miles ^N_E S from
W W

Clemmons, Iowa Town: in *Marshall*.....
(Nearest Town) (County)

in the¹/₄.....¹/₄ Sec.....T.....R.....

Owner *Clemmons, La* Well No. *1*

Postoffice address

Contractor *C L Jennings*

Address *New London Ia*

Driller *Howard RACEY*

Well begun *Aug 3*....., 19*54*;

completed *Aug 26*....., 19*54*

Rig used—Cable, Rotary, Jet, or.....

Depth of well.....*52*.....
(Feet)

Size of hole (note total amount of each size).....

Main water supply at.....
(Feet below surface)

Final water head.....*13 feet*.....
(Feet above or below surface)

Is well pumped?.....

Yield *90*.....
(Gallons per minute)

Water level when pumping.....*25 feet*.....

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
24"	6 ft.				
8"	43 ft.				

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

Is screen used? yes Diameter 8
(Inches)

Length 10 Depth to bottom.....
(Feet)

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

Are packers or seals used? yes

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,
includingfeet tailpiece.

Remarks on construction of well.....
.....

[illegible]

DESCRIPTION OF BEDS

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

Surface	&	sub soil
sandy		clay red.
sand & gravel	"	"
"	"	" gray
"	"	"
"	"	" mixed clay to drill
"	"	" "
"	"	"
"	"	"
"	"	"
"	"	"

FOR FIGURING, CASING TALLY, ETC.

SWL - top 22" 12' 8"

	pumping lost.	GPM
7 30 -	12' 8 -	60
7 45 -	17' 8 -	60
8 -	19' 6'	55
8 15 -	19' 8"	55
8 30 -	19 - 8"	55
8 45 -	19 - 10	55
9 00	19 - 10 1/2	55
9 15	19 - 11	55
9 30	19 - 11 1/2	55
9 45 -	20 -	55
10 00	20 1/2	55
10 15 -	20 1/2	55
10 30	20 1/2	55
10 45 -	20	55
11 00	20	55
11 15	20	55
12 15	20	55

FOR FIGURING, CASING TALLY, ETC.

D.B.

— cloudy

5' muddy

6' 11" cloudy

7' clear

7' - 1" "

7' - 2" "

7 - 2 1/2 "

7 - 3 "

7 3 1/2 "

7 4" "

7 4 1/2 "

7 4 1/2 "

7 4 1/2 "

7 4" "

7 4" "

7 4" "

7 4" "

FOR FIGURING, CASING TALLY, ETC.

12:15 opened to 90 GPM			
		GPM	D.O
12 30	25'	90	12' 4"
12 45	25'	90	12' 4"
1 00	25'	90	12' 4"
1 25	25'	90	12' 4"
1 30	25'	90	12' 4"
2 00	24' 11"	90	12' 3"
2 30	24' 10"	90	12' 2"
3 00	24' 9 1/2"	90	12' 1 1/2"
4 00	24' 9 1/2"	90	12' 1 1/2"

Recovery.

9' 9" 6 min.

1 min	5'
2 "	2' 8"
3 "	1' 3"
4 "	1'
5 "	6"
6 "	4"

FOR FIGURING, CASING TALLY, ETC.

12 - 8

Cloudy

2 10

clear

9' - 10"

"

" H V Pedersen

" water works office

" 7913

Made Notes

\$4 per hour.

Thrs.