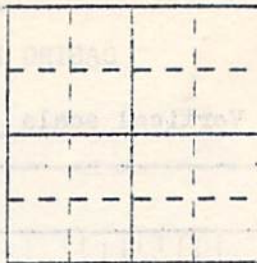


IOWA GEOLOGICAL SURVEY  
In Cooperation with U. S. Geological Survey

W 5123

RECORD OF WELL



Location:

Town: Walker ( NE )  
( SW ); County Linn  
NW NE SW SE sec. 4 T86 N., R. 8 W. Grant Twp.

Well name and number Town of Walker #2

Owner → Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor Howard White Address Waterloo

Drillers ↑ \_\_\_\_\_

Drilling dates Sept 25, 1951 - Oct. 26, 1951

Well data:

Elevations: Drilling curb 906.5 feet; Land surface 906 feet

Determined by GCH

Topographic position Upland

Total depth: Reported 350 feet, Measured \_\_\_\_\_ feet

Drilling method Cable

Hole and casing data 12" From +6" to 14 1/2'; 8" From +6" - 42'6"

Cement Grout to be placed between these two. 6" From 37' - 115' Perf. 43 - 67 + 107' - 127'

Original depth to water 36 1/2 ft. <sup>above</sup> below LS Date Oct 24, 1951

Original elevation of water level \_\_\_\_\_ ft.; Source of data \_\_\_\_\_

Sources of water: Principal Silurian 185-250 ; Others Devonian 41-75  
and 95-145

Production data:

Date \_\_\_\_\_

Static depth to water 36 1/2

Measuring point L5

Pumping level 46

at 40 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	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
Fe <sub>2</sub> O <sub>3</sub> + Mn <sub>2</sub> O <sub>3</sub> + Al <sub>2</sub> O <sub>3</sub>	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (gpg)	_____	_____	_____	_____
Remarks	_____	_____	_____	_____

Laboratory data:

Sample storage location CK1-2

Sample range 0-350 No. spls. 62 No. dupls. & cond. 62-G

Spls. prepared by MORTEN Washed range 40-350 by MORTEN 10/29/51

Driller's log and cond. \_\_\_\_\_

Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_

Microscopic study SC4 strip log SC4

Gen. log \_\_\_\_\_ Correl. by SC4

IOWA GEOLOGICAL SURVEY  
Iowa City, Iowa

Well Log Record

Well name and number Walker #2 Town Walker County Linn

Owner of well Town of Walker Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Location NW NE SW SE sec. 4, T. 86 N., R. 8 E. Grant Twp.

Curb elevation 906.5 ft. Present depth 350 ft. final depth 350 ft.

Static level: (Depth to water <sup>above</sup>/<sub>below</sub> curb) 37 ft. level 46 ft. at 40 g.m. Pumping

Contractor Howard White Date drilled 9-25-57 to 10-21-57

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To
Yellow Sand	20	0	20				
Gray Drift	21	20	41				
Lime	34	41	75				
Shale & Lime	20	75	95				
Lime	30	95	145				
Shale	10	145	155				
Lime	195	155	350				

\*Abbreviate descriptions: use one line for each formation

Remarks on water zones and casings 12" to 15"; 8" to 43'; 6" to 165'  
Perf 43-67; 107-127

Temperature: Air 50 °F., Water 51 °F. at 9:25 <sup>A.M.</sup>/<sub>P.M.</sub> Oct 25 1957

Record obtained from H. White & Obs. Recorded by G. C. Huntington







**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

File No. { Washington .....  
          { District .....

		<i>Page 4</i>									
<i>Time</i>	<i>W/L</i>										
<i>15</i>	<i>09</i>	<i>44.84</i>									
<i>17</i>	<i>11</i>	<i>44.73</i>									
<i>19</i>	<i>13</i>	<i>44.64</i>									
<i>21</i>	<i>15</i>	<i>44.55</i>									
<i>23</i>	<i>17</i>	<i>44.47</i>									
<i>27</i>	<i>21</i>	<i>44.34</i>									
<i>31</i>	<i>25</i>	<i>44.15</i>									
<i>35</i>	<i>29</i>	<i>44.01</i>									
<i>39</i>	<i>33</i>	<i>43.87</i>									
<i>42</i>	<i>37</i>	<i>43.74</i>									
<i>47</i>	<i>42</i>	<i>43.63</i>									
<i>54</i>	<i>46</i>	<i>43.52</i>									
<i>58</i>	<i>50</i>	<i>43.41</i>									
<i>66</i>	<i>10:00</i>	<i>43.17</i>									
<i>72</i>	<i>10</i>	<i>42.98</i>									
<i>76</i>	<i>20</i>	<i>42.81</i>									
<i>77</i>	<i>31</i>	<i>42.62</i>									
<i>102</i>	<i>40</i>	<i>42.54</i>									
<i>10</i>	<i>50</i>	<i>42.46</i>									
<i>20</i>	<i>11:00</i>	<i>42.38</i>									
<i>32</i>	<i>:10</i>	<i>42:32</i>									
	<i>:30</i>	<i>42:20</i>									
	<i>:50</i>	<i>42:11</i>									
<i>46</i>	<i>12:10</i>	<i>42.03</i>									
<i>71</i>	<i>30</i>	<i>41.97</i>									
	<i>50</i>	<i>41.90</i>									
	<i>53</i>	<i>41.80</i>									
				<i>Steel Tape</i>							

*44*  
*2.20*  
*41.80*

264 x 27 = 7128  
47 = 9500

