

779 field located by L Fischer

#18043

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

Location: 1/2 miles S x 1/2 miles W

Town: Storm Lake (NE) County Buena Vista  
(SW)

~~NE 1/4~~ Sec. 8, T. 90, N., R. 37 (E)  
NW 1/4 NW 1/4 (W) Twp.


Well name and number \_\_\_\_\_

Owner Paul Diehl <sup>774 M. Ke Diehl</sup> Address Storm Lake

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

Contractor M. E. Markley Address Schaller

Drillers Rob Winkler

Drilling dates 7/27/65 - 7/28/65

Well data:  
Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet

Topo el - 1435'

Determined by \_\_\_\_\_

Topographic position upland

Total depth: Reported 110 feet; Measured \_\_\_\_\_ feet

Drilling method rotary

hole and casing data 1 1/2" of 6" pipe

Original depth to water \_\_\_\_\_ ft. <sup>above</sup> below \_\_\_\_\_ Date \_\_\_\_\_

Source of data \_\_\_\_\_

Sources of water: Principal 95-100  
Others \_\_\_\_\_

PRODUCTION DATA

Date \_\_\_\_\_  
Static water level 14  
Pumping water level 22  
Yield (g.p.m.) 25  
Measuring point \_\_\_\_\_  
Duration of pumping \_\_\_\_\_  
Specific capacity \_\_\_\_\_

LABORATORY DATA Ph6-354

Well No# 18043 Sample range 0-110 No. of samples 24

No. of dupls. and cond. \_\_\_\_\_ Washed range \_\_\_\_\_

Samples prepared by Dennis LaPoint Date 2/23/66

Logged by NORTHUP Date 10/28/70

Correlations by same Date 10/28/70

**DRILLER'S NOTEBOOK**

\_\_\_\_\_  
**WELL RECORD**

Driller BOB WINKLER

Address SCHALLER, IA

\_\_\_\_\_  
**#18043**  
\_\_\_\_\_

Owner PAUL DIEHL

Address STORM LAKE, IA

\_\_\_\_\_  
**RETURN TO**  
**IOWA GEOLOGICAL SURVEY**  
**IOWA CITY, IOWA**

**DRILLER'S NOTE**

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose.

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

**SUGGESTIONS TO DRILLERS**

1. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.

2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.

3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.

4. Make frequent use of the "Description" column to explain the material being drilled.

5. Note depth and thickness of all water-bearing layers.

6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.

7. Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.

8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.

9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa.

10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA, EXPRESS COLLECT.

The Iowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

**#18043**  
**WELL RECORD**

Well is located  $\frac{1}{2}$  miles <sup>N</sup>E and  $\frac{1}{2}$  miles <sup>N</sup>E from <sup>W</sup> <sup>W</sup>

STORM LAKE in B. V.  
(Nearest Town) (County)

in the NE 1/4 NE 1/4 Sec. 7 T. 90N R. 32W

Owner PAUL DIEHL Well No. \_\_\_\_\_

Postoffice address STORM LAKE

Contractor M. F. MERKLEY

Address SCHALLER IA

Driller BOB WINKLER

Well begun 7-27, 1965

completed 7-28, 1965

Rig used—Cable, Rotary, Jet, or \_\_\_\_\_

Depth of well 110  
(Feet)

Size of hole (note total amount of each size) 110' OF

6" PIPE

Main water supply at 95' TO 100'  
(Feet below surface)

Final water head 14'  
(Feet above or below surface)

Is well pumped? YES

Yield 25  
(Gallons per minute)

Water level when pumping 22'

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



SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
	0	2	2	TOP SOIL
	2	<del>22</del>	13	YELLOW CLAY
	15	22	7	SAND
	22	<del>28</del>	6	YELLOW CLAY
	28	32	4	SAND & CLAY
	32	37	5	BLUE CLAY
	37	50	13	SAND & CLAY
	50	55	5	BLUE CLAY
	55	65	10	SAND W
	65	75	10	CLAY & SAND
	75	95	20	BLUE CLAY
	95	100	5	SAND & GRAVEL
	100	109	9	GRAY CLAY
	109	110	1	YELLOW CLAY