

# THORPE WELL COMPANY

2340 SIXTH AVENUE  
DES MOINES, IOWA

R-1-B

Drilled for City Water Works at Soldier, Iowa

Well is located \_\_\_\_\_ miles N-E-S-W and \_\_\_\_\_ miles N-E-S-W from \_\_\_\_\_

in the \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Drilling started August 17 19 62 Completed Oct. 18 19 62

Well No. 2 Kind of Well Rotary Depth 800' Size hole started 11" in

Finish 10 5/8 G. P. M. 151 Static Head 110 Pumping level from surface 236

Water was first encountered at \_\_\_\_\_ in Limestone Approx. Amt. \_\_\_\_\_ Temp. 58°

Remarks went in side of old well which was 166' deep. Drilled out old screen and went deeper

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

| 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 |
| 12"                      | 155'           | 155'                    | 0                    | This pipe was old well |                |        |
| 8"                       | 335'           | 485'                    | 150                  |                        |                |        |
|                          |                |                         |                      |                        |                |        |
|                          |                |                         |                      |                        |                |        |
|                          |                |                         |                      |                        |                |        |
|                          |                |                         |                      |                        |                |        |

Driller Bob Yarbro From Surface to \_\_\_\_\_ feet

Driller Darwin Evans From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Driller Guy Lemar From \_\_\_\_\_ feet to \_\_\_\_\_ feet

| AMOUNT IN FEET | KIND OF SOIL OR FORMATION (BE SPECIFIC) | TOTAL DEPTH FEET |
|----------------|---|------------------|
| 17             | Blue shale                              | 183              |
| 11             | Gray shale & boulders                   | 194              |
| 35             | Brown & gray shale & limestone          | 229              |
| 6              | Dark Gray shale                         | 235              |
| 30             | Red shale & thin layers of limestone    | 265              |
| 44             | Dark gray shale & layers of limestone   | 309              |
| 11             | Red shale                               | 320              |
| 5              | Brown shale                             | 325              |
| 5              | Light gray shale                        | 330              |
| 5              | Sandstone & green shale                 | 335              |
| 3              | Red & green shale & trace of sand       | 338              |
| 26             | Green shale & limestone                 | 364              |
| 18             | Gray shale & limestone, some sand       | 382              |
| 3              | Coal                                    | 385              |
| 43             | Gray shale & coal                       | 428              |

(over)

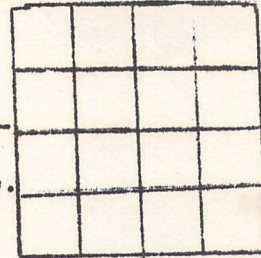


IOWA GEOLOGICAL SURVEY  
In Cooperation with U. S. Geological Survey  
RECORD OF WELL

*field located 1978*

Location:

Town: SOLDIER (NE) County MONONA  
*NE NE NE SW sec. 19 T. 83 N. R. 42 W* (E)  
SW sec. 19 T. 83 N., R. 42 (W) SOLDIER Twp.



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

Owner SOLDIER TOWN WELL #2 Address SOLDIER, IOWA  
*(1962)*

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

Contractor THORPE WELL CO. Address 2340, SIXTH AVE.  
DES MOINES 13, IOWA

Drillers BOB YARBRO, DARWIN EVANS, GUY LEMAR

Drilling dates AUG. 17 - OCT. 18, 1962

Well data:

Altitudes: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet 1133 ±  
*Topo elev. 1160' c.i. 20'*

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

Topographic position \_\_\_\_\_

Total depth: Reported 800' feet; Measured \_\_\_\_\_ feet

Drilling method ROTARY

Hole and casing data OLD WELL 0-165' - CASSED OUT

155' OF 12" CSG. 0-155'

335' OF 8" CSG. 150'-485'

Original depth to water, \_\_\_\_\_ ft. above \_\_\_\_\_ ft. below \_\_\_\_\_ Date \_\_\_\_\_

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

Sources of water: Principal \_\_\_\_\_

Others \_\_\_\_\_

PRODUCTION DATA

Date \_\_\_\_\_

Static water level 110'

Pumping water level 236'

Yield (g.p.m.) 151' TEMP. WATER = 58°

Measuring point \_\_\_\_\_

Duration of pumping \_\_\_\_\_

Specific capacity \_\_\_\_\_

LABORATORY DATA

TL4-639,640

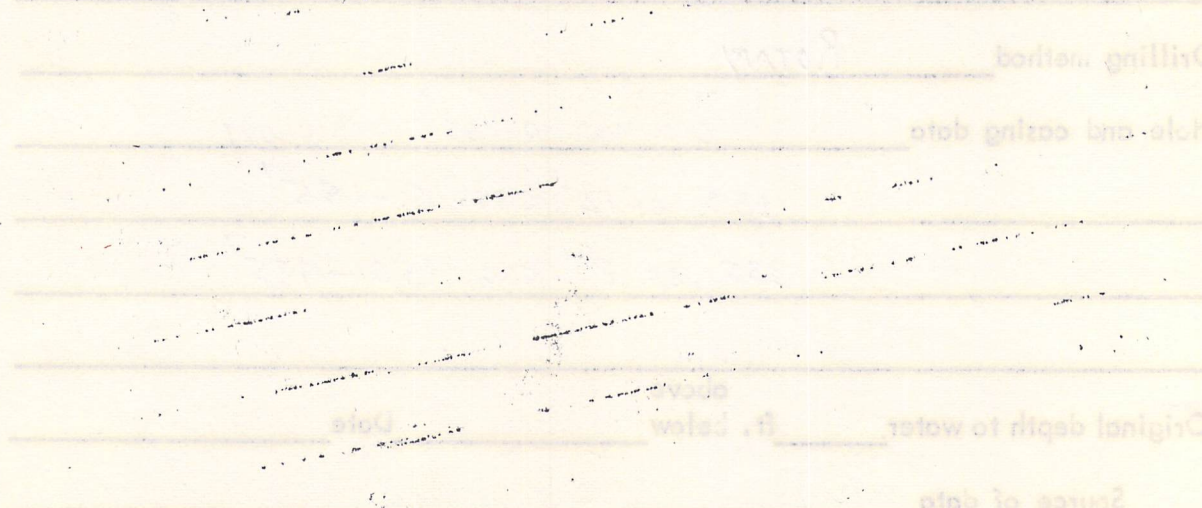
Well No. \_\_\_\_\_ Sample range 160-490 No. of samples 52

No. of dupls. and cond. 52 GOOD Washed range 160-490

Samples prepared by DICK BUCHHEIT Date 8-24-62  
AND EUGENE ROBES 12-20-62

Logged by NORTHUP Date AUG. - DEC. 1962

Correlations by \_\_\_\_\_ Date \_\_\_\_\_



13754

Name Soldier town well <sup>No. 3</sup> (1962)

Loc. NE/C SW 19-83N-42W Monona Co. (0.2 MILE N. OF WATER TOWER)

T.D. 800'

Drilled Thorpe Well Co. Aug. 17 - Oct. 18, 1962

Log W-13754

Casing 155' of 12" csg from 0-155'; 335' of 8" csg. from 150-485'

Prod. data 4/5/62

SWL 110' (AIR LINE READ 52' but do not know pump setting)

PWL 236'

Yield 151 gpm acidized 1000 gal Hcl prior to test

Analysis: No. 1103(3833) 10/19/62 SEND COPY TO JOHN WADE TOWN CLERK

Need to know how much of this they use - (1 OTHER WELLS <sup>No. 1</sup> - 165' (1948))

Need for consumption data

Need elevation Use No. 3 100%. Keep No. 1 for standby

236  
110  
126 ft

spec 1.2  
126) 151  
126  
250

Elev. 1153

JOHN MELBY W/S

| Formation    | Depth | base | thick. |
|--------------|-------|------|--------|
| Keokuk       | 465'  |      |        |
| Burlington   | 532?  |      |        |
| Gilmore City | 618   |      |        |
| Hampton      | 698   |      |        |

285  
 50  
 14250

14500 gpd ±

1960 pop. 284

NO METERS - NO INDUSTRY 80% POP ON CITY SYS. LLS 4/5/63

NEW WELL <sup>drilled</sup> INSIDE #2 WELL - (1957) - 170' - RASMUSSEN

SHALLOW - 165' #1 ADJACENT TO TOWER - 1948 - RASMUSSEN - STANDBY