

## WELL RECORD

PWTS Permit No. \_\_\_\_\_

County Permit No. \_\_\_\_\_

Iowa Department of Natural Resources - Geological Survey  
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

PWTS Well No. \_\_\_\_\_

## Site identification

Property Owner Call State Park Other ID \_\_\_\_\_

Address \_\_\_\_\_

Tenant \_\_\_\_\_

Well Depth 195 ft Date completed 1/1/1

## Location

County \_\_\_\_\_

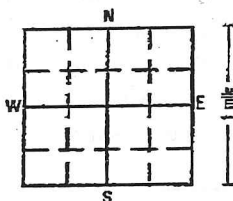
\_\_\_\_\_ ml. N and \_\_\_\_\_ ml. E of intersection of \_\_\_\_\_ and \_\_\_\_\_

1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ Sec \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ E \_\_\_\_\_ W \_\_\_\_\_

GPS Coordinates (NAD83 datum only) decimal degrees:

\_\_\_\_\_ N. Latitude \_\_\_\_\_ W. Longitude \_\_\_\_\_

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.


☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) \_\_\_\_\_

## Formation log

| From | To  | Color      | Hardness | Formation description                |
|------|-----|------------|----------|--------------------------------------|
| 0    | 2   | black      | S        | topsoil                              |
| 2    | 18  | yel        | S        | clay                                 |
| 18   | 63  | blue       | S        | clay                                 |
| 63   | 68  | blue black | S        | coal with shale                      |
| 68   | 87  | blue       | S        | clay                                 |
| 87   | 88  | tan        | MH       | limestone                            |
| 88   | 90  | brown      | S        | wood                                 |
| 90   | 91  | brown      | S        | sticky clay                          |
| 91   | 96  | yel        | S        | clay                                 |
| 96   | 100 | gray       | S        | clay                                 |
| 100  | 131 | shale      | S        | shale + gravel                       |
| 131  | 160 | light gray | S        | clay                                 |
| 160  | 172 | dark gray  | S        | clay + shale                         |
| 172  | 173 | red        | S        | clay                                 |
| 173  | 175 | red        | S        | use additional sheets as needed sand |

## Remarks (including depth of lost drilling tools, materials, or tools)

175 - 190 tan S sand - 15'

190 - 195 tan S sand - 5'

## Well use

- ☐
- Domestic
- 
- ☐
- Livestock
- 
- ☐
- Test well

- ☐
- Heat pump
- 
- ☐
- Municipal
- 
- ☐
- Public supply
- 
- ☐
- Irrigation

- ☐
- Commercial
- 
- ☐
- Monitoring
- 
- ☐
- Other

## Drill method

☒ rotary ☐ auger ☐ cable ☐ other \_\_\_\_\_

## Hole size

11 inch from 0 ft to 195 ft

       inch from        ft to        ft

## Hole size continued

       inch from        ft to        ft

       inch from        ft to        ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

## Casing

Drive shoe (yes/no) \_\_\_\_\_

Pileless adapter (yes/no) yes

| Size (ID/OD) | Type / Wt | Depth top | Depth bottom | Amount (length) |
|--------------|-----------|-----------|--------------|-----------------|
| 6 1/2        | 500 250   | +2        | 185          | 187             |
|              |           |           |              |                 |
|              |           |           |              |                 |
|              |           |           |              |                 |

## Perforated or slotted casing? (yes/no)

Perforated / slotted from        ft to        ftPerforated / slotted from        ft to        ft

## Casing grouted? (yes/no)

Placement method grout

| Type  | Depth top | Depth bottom | Amount (vol/wt) |
|-------|-----------|--------------|-----------------|
| Grout | 0         | 170          | 18 bags         |
|       |           |              |                 |
|       |           |              |                 |

## Well screen? (yes/no)

| Diameter | Slot size | Depth top | Depth bottom | Length | Material |
|----------|-----------|-----------|--------------|--------|----------|
| 6        | 0.25      | 185       | 175          | 10     | S.S.     |
|          |           |           |              |        |          |

## Bottom capped? (yes/no)

with 25 lb plateSeals / Packers (yes/no) yes kind        depth        ftGravel packed (yes/no) yes from 175 ft to 195 fttype        amount 700 lbs

## Well developed? (yes/no)

Explain yes(pumped, drilled, bailed) for 10 hrs at 75 GPM

## Pump installed? (yes/no)

Date 1/1/1

Installer's name \_\_\_\_\_

Type of pump \_\_\_\_\_ Depth to intake \_\_\_\_\_ ft

Pump diameter \_\_\_\_\_ Rated capacity \_\_\_\_\_ GPM

## Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstoneMain water supply zone from 185 ft to 195 ft ☐ seepage wellStatic water level 104 ft (below/above) GL: ☐ tape ☐ airline ☐ E-line ☐ estimatePumping water level 140 ft below GL: ☐ tape ☒ airline ☐ E-line ☐ estimateAt yield of 50 GPM; ☐ orifice ☐ volumetric ☒ estimate for \_\_\_\_\_ hoursMeasurements taken at \_\_\_\_\_ (AM / PM) Date 1/1/1

## Water quality test? (yes/no)

Date tested 1/1/1

Tested by \_\_\_\_\_

## Contractor

Address \_\_\_\_\_

Phone \_\_\_\_\_ Certification no. \_\_\_\_\_

TYPING