

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

## WELL RECORD

Permit No. 78-98-39

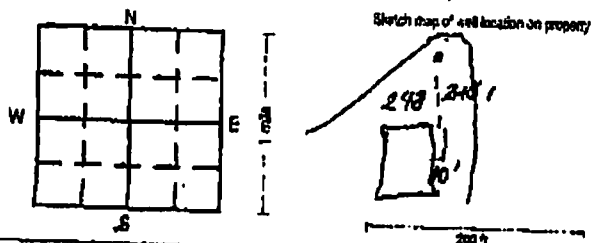
## Site Identification

Property Owner Wheatland Well Number 3  
Address Highway - 6 - 22 984  
Tenant \_\_\_\_\_  
Well Depth 216 ft Date Completed 4, 20, 98

## Location

County Pottawattamie  
mi. N and mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
mi. S and mi. W of intersection of \_\_\_\_\_ and \_\_\_\_\_  
NW 1/4 of the SE 1/4 of the NW 1/4 of Sec 24 TWP 25 RND 43

Show exact location of well in section grid with a dot (•).



☐ Upland ☒ Farmland ☐ Valley

Elevation (if known) \_\_\_\_\_

## Formation log

| From | To  | Color         | Hardness | Formation description |
|------|-----|---------------|----------|-----------------------|
| 0    | 55  | Bl.           |          |                       |
| 56   | 80  | Gray Clay     |          |                       |
| 81   | 110 | Br. Clay      |          |                       |
| 111  | 115 | Sand Bl. Clay |          |                       |
| 116  | 124 | Sand          |          |                       |
| 125  | 145 | Blue Clay     |          |                       |
| 146  | 194 | Gray & Tan    |          |                       |
| 195  | 215 | Sand & Gravel |          |                       |
| 216  |     | Rock          |          |                       |

use additional sheets as needed

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

## Well use

- ☒ Domestic ☐ Municipal ☐ Industrial  
☐ Livestock ☐ Public Supply ☐ Monitoring  
☐ Test Well ☐ Irrigation ☐ Other

## Drill method

☒ Rotary ☐ Auger ☐ Cable ☐ Other \_\_\_\_\_  
Hole size  
7 inch from 0 ft to 22 ft  
6 1/2 inch from 22 ft to 216 ft

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

## Casing

| Size (ID/OD) | Type / WT | Depth top | Depth bottom | Amount (length) |
|--------------|-----------|-----------|--------------|-----------------|
| 4" ID        | Sch 40    | 0         | 216          | 216             |

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

Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

## Casing grouted? (yes/no)

| Type   | Depth Top | Depth Bottom | Amount |
|--------|-----------|--------------|--------|
| Sch 40 | 205       | 215          | 8      |

## Well screen? (yes/no)

| Diameter | Slot size | Depth Top | Depth Bottom | Length | Material |
|----------|-----------|-----------|--------------|--------|----------|
| 4"       | 12        | 205       | 215          | 10     | Sch 40   |

## Bottom capped? (yes/no)

with \_\_\_\_\_  
Sieve / Packers (yes/no) kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
Gravel packed (yes/no) from \_\_\_\_\_ to \_\_\_\_\_  
type Screened amount 2600 lb

## Well developed? (yes/no)

Explain Balance

## Pump installed? (yes/no)

Date 4, 20, 98  
Installer's name Jim Gurney  
Type of pump 1 1/2 HP FXW Depth to intake 200 ft  
Pump diameter 4" Rated capacity 16 GPM

## Water information

Aquifer: ☒ Sand/gravel ☐ Limestone ☐ Sandstone  
Main water supply zone from 195 ft to 215 ft  
Final water level (static water level) 70 ft (below / above) GL.  
Pumping water level 70 ft below GL; ☐ tape ☐ airline ☐ E-tube  
At yield of 16 GPM; ☐ orifice ☐ volumetric ☐ estimate Date 4-18-98

## Water quality test? (yes/no)

Date tested \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Tested by \_\_\_\_\_  
Test results \_\_\_\_\_

## Contractor

Address \_\_\_\_\_  
Driller Jim Gurney Certification no. 40243