

Site identification

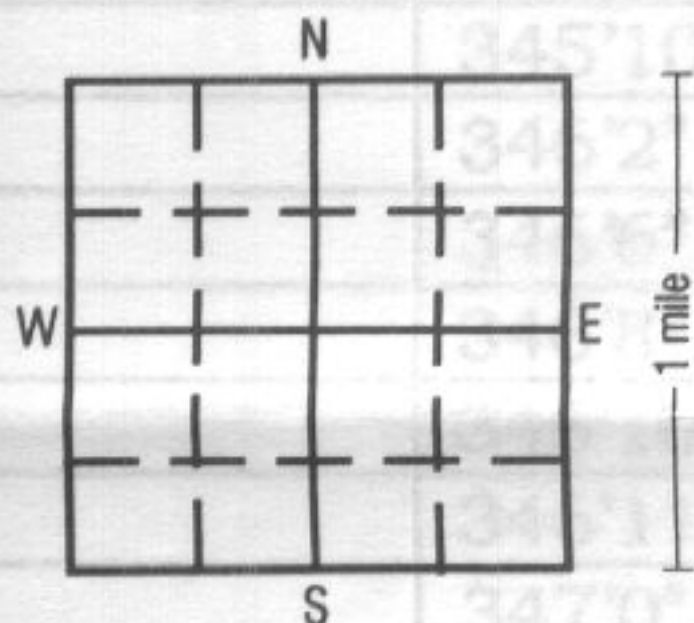
Property Owner Decorah Industrial Park Well Number _____
Address Erdman Engineering
Tenant _____
Well Depth 715 ft Date completed 5/26/00

Location

County Winneshiek

_____ mi. N and _____ mi. E of intersection of _____ and _____
_____ 1/4 of the NW 1/4 of the SE 1/4 of Sec 25 TWP 98 RNG 8 E W

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



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

| From | To | Color | Hardness | Formation description |
|------|------|-------|----------|-----------------------|
| 0' | 26' | Brown | | Topsoil, Clay |
| 26' | 36' | Blue | | Clay |
| 36' | 235' | | | Limerock |
| 235' | 255' | | | Shale |
| 255' | 308' | | | Limerock |
| 308' | 328' | | | Shale |
| 328' | 386' | | | Sandstone |
| 386' | 396' | | | Limerock + Shale |
| 396' | 439' | | | Limerock |
| 439' | 675' | | | Limerock, Sand Shale |
| 675' | 715' | | | Sandstone |

The well was test pumped for 0.2 hrs & maintained a pumping level of 340' @ 102 gpm.

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

Well use

- ☐ Domestic ☐ Municipal ☐ Commercial ☐ Monitoring ☐ Other (explain) _____
☐ Livestock ☒ Public supply ☐ Irrigation

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

12 1/4 inch from 0 ft to 38 ft hole size continued 6 3/8 inch from 439 ft to 715 ft
9 7/8 inch from 38 ft to 439 ft _____ inch from _____ ft to _____ ft

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

Casing

Drive shoe (yes/no) ☒ Pitless adapter (yes/no) _____

| Size (ID/OD) | Type / Wt | Depth top | Depth bottom | Amount (length) |
|--------------|------------|-----------|--------------|-----------------|
| 7" | Steel .272 | +2' | 439' | 441' |

Perforated or slotted casing? (yes/no) ☒

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no) ☒

Placement method _____

| Type | Depth Top | Depth bottom | Amount (vol/wt) |
|-------------|-----------|--------------|-----------------|
| Neat Cement | 0' | 439' | 132 sacks |

Well screen? (yes/no) ☒

| Diameter | Slot size | Depth Top | Depth Bottom | Length | Material |
|----------|-----------|-----------|--------------|--------|----------|
| | 0. _____ | | | | |
| | 0. _____ | | | | |

Bottom capped (yes/no) with _____
Seals / Packers (yes/no) kind _____ depth _____ ft
Gravel packed (yes/no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes/no) ☒

Explain Airlift: 30 GPM @ 430', 100 GPM @ 475'
(pumped, airlifted, bailed) for _____ hrs at _____ GPM.

Pump installed? (yes/no) ☒

Date ____/____/____

Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone

Main water-supply zone from _____ ft to _____ ft ☐ seepage well
Static water level 316 ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 430 ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 30 GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at _____: _____ (AM / PM) Date ____/____/____

Water quality test? (yes/no) ☒

Date tested ____/____/____

Tested by _____

Contractor Shawnee Well Company, Inc.
Address Fredericksburg, IA 52530
Driller Gary Martin Certification no. 40473