

73139

WELL RECORD

PWTS Permit No. 2010-056W

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

PWTS Well No.

County Permit No.

PWSID No. 7866031

Site identification

Property Owner City of Treynor Other ID Well #6
Address 7 S. Eyberg, Treynor, IA 51575
Tenant City of Treynor
Well Depth 255 ft Date completed 07 / 29 / 10

Location

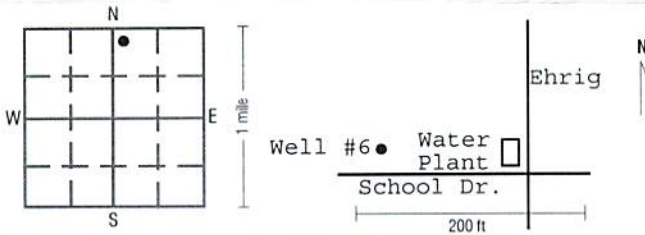
County Pottawattamie

1/16 mi N and 5/8 mi E of intersection of HWY 92 and S Eyberg
NW 1/4 of the NW 1/4 of the NE 1/4 of Sec 7 TWP 47 RNG 41

GPS Coordinates (NAD83 datum only) decimal degrees:

N. Latitude W. Longitude.

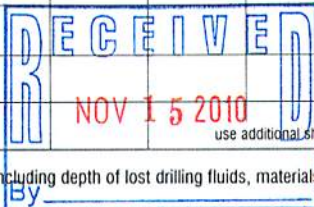
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



upland hillside valley levelsurface Elevation (if known)

Formation log

Table with 5 columns: From, To, Color, Hardness, Formation description. Rows describe geological layers from 0 to 256 feet depth.



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

Well use

- Domestic, Livestock, Test well, Heat pump, Municipal, Public supply, Irrigation, Commercial, Monitoring, Other

Drill method rotary auger cable other Reverse

Hole size 20 inch from 0 ft to 256 ft

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

Casing table with columns: Size (ID/OD), Type / Wt, Depth top, Depth bottom, Amount (length). Row 1: 12", 0.375", 9', 235', 226'

Perforated or slotted casing? (yes no)

Perforated / slotted from ft to ft

Casing grouted? (yes no) Placement method Tremie

Casing grout table with columns: Type, Depth top, Depth bottom, Amount (vol/wt). Row 1: Neat Cement, 8', 229', 12 cyd

Well screen? (yes no)

Well screen table with columns: Diameter, Slot size, Depth top, Depth bottom, Length, Material. Row 1: 12", 0.050, 235', 255', 20', SST

Bottom capped (yes no) with SST Plate Attached

Seals / Packers (yes no) kind Bentonite depth 229-231 ft

Gravel packed (yes no) from 231 ft to 256 ft

type Red Flint #50 amount 3 Tons

Well developed? (yes no)

Explain Surge block, bailer, rawhiding

(pumped) (airlifted) (bailed) for 35.5 hrs at 200-300 GPM

Pump installed? (yes no) Date 04 / 14 / 05

Installer's name J. Dooling/D. Hansen

Type of pump Submersible Depth to intake 245 ft

Pump diameter 6" Rated capacity 230 GPM

Water information Aquifer: (X) sand / gravel limestone sandstone

Main water-supply zone from 235 ft to 255 ft seepage well

Static water level 203.5 ft (below) (above) GL; (X) E-line estimate

Pumping water level 221 ft below GL; (X) E-line estimate

At yield of 252 GPM; (X) orifice volumetric estimate for 21 hours

Measurements taken at 11:30 (AM) (PM) Date 06 / 04 / 10

Water quality test? (yes no) Date tested 06 / 08 / 10

Tested by IHL and Keystone Labs

Contractor Layne Christensen Company

Address 3150 SE Gateway Drive, Suite B, Grimes, IA

Driller Mark Leslie Certification no. 3684