

WELL RECORD

80446

PWTS Permit No. 44892

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

PWTS Well No. 2182251

County Permit No.

Site identification

Property Owner Pat Mehan Other ID
Address Box 14 Emmetsburg
Tenant Lot 17 Sec 2 Island view Lane
Well Depth 211 ft Date completed 6/5/15

Drill method

rotary auger cable other

Hole size

9 inch from 0 ft to 211 ft
hole size continued
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)

Table with columns: Size (ID/OD), Type/Wt, Depth top, Depth bottom, Amount (length). Row 1: 5, PVC 200, +1, 206, 206

Perforated or slotted casing? (yes/no)

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

Casing grouted? (yes/no)

Placement method Poured

Table with columns: Type, Depth top, Depth bottom, Amount (vol/wt). Row 1: Bentonite, 0, 70, 24 bags

Well screen? (yes/no)

Table with columns: Diameter, Slot size, Depth top, Depth bottom, Length, Material. Row 1: 5.6 in, 0.018, 206, 211, 5, SS

Bottom capped (yes/no) with SS Plate
Seals / Packers (yes/no) kind depth ft
Gravel packed (yes/no) from 70 ft to 211 ft
type Muscovine amount 500

Well developed? (yes/no)

Explain Jet w/ water airlift
(pumped, airlifted, bailed) for 2 hrs at 60 GPM

Pump installed? (yes/no)

Date 6/16/15
Installer's name Bill Elbert
Type of pump Subm Depth to intake 100 ft
Pump diameter 3 Rated capacity 20 GPM

Water information

Aquifer: sand/gravel limestone sandstone

Main water-supply zone from 206 ft to 211 ft
Static water level 60 ft (below/above) GL;
Pumping water level 69 ft below GL;
At yield of 20 GPM;
Measurements taken at 3:00 (AM/PM) Date 6/16/15

Water quality test? (yes/no)

Date tested
Tested by Sanitarian

Contractor Elbert Bros Well Drilling Inc

Address 405 7th St
Driller Rick Elbert Certification no. 2335

Location

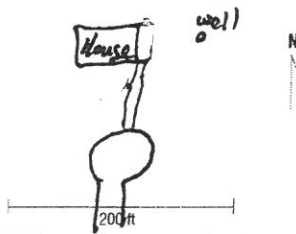
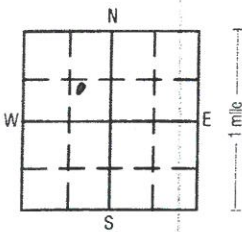
County Palo Alto

2 3/4 mi N and 1 1/2 mi E of intersection of US 2 and Hwy 18
NW 1/4 of the SE 1/4 of the NW 1/4 of Sec 8 TWP 96 Rng 32 E

GPS Coordinates (NAD83 datum only) decimal degrees:

43 15 20004 N. Latitude -94 65 1016 W. Longitude.

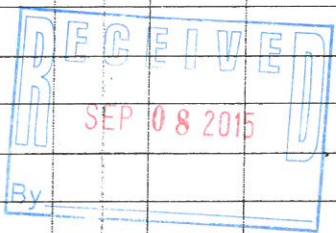
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



upland hillside valley level surface Elevation (if known)

Formation log

Table with columns: From, To, Color, Hardness, Formation description. Rows: 0-2 Top Soil, 2-7 Clay, 7-15 Sand, 15-150 Clay, 150-190 fine Sand Clay, 190-211 Sand



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

Well use

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