

Oak Shores w.s.

WELL RECORD

74116

PWTS Permit No. _____

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. _____

Site identification

Property Owner Yohacan Other ID _____
 Address % Richard Hein
 Tenant Rt #1 Welcome, MN 56181
 Well Depth 230 ft Date completed 10/20/78

Location

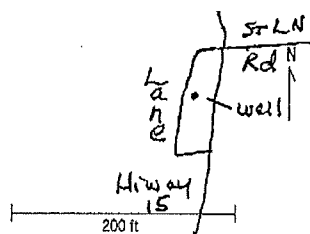
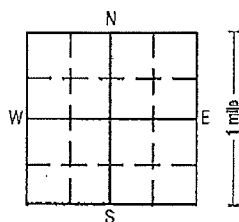
County Emmet

1/8 mi. ^N_S and 1/16 mi. ^E_W of intersection of Hwy 15 and State line Rd
NE 1/4 of the NW 1/4 of the NE 1/4 of Sec 12 TWP 00 RNG 31 ^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	1	Blk	soft	Top soil
1	25	yellow	soft	clay
25	120	Blue	med	clay
120	187	gray	Hard	clay
187	213	Brown	Hard	clay
213	230	gray	med	sandstone

use additional sheets as needed

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 _____

Hole size

9 inch from 0 ft to 215 ft

hole size continued

4 3/4 inch from 215 ft to 230 ft

_____ 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 ☐)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
5	200	0	195	190
5	250	195	215	20'

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)
Drill Cuttings	6	215	

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
5" tele	0.018	220	230	10'	SS
0. _____					

Bottom capped (yes ☒ no ☐)with welded SS BottomSeals / Packers (yes ☒ no ☐)kind Rubber depth 210 ftGravel packed (yes ☒ no ☐)from K Packer ft to _____ ft

type _____ amount _____

Well developed? (yes ☒ no ☐)Explain Air Lifted & Test Pumped(pumped, airlifted, bailed) for 10 hrs at 50 GPM

Pump installed? (yes / no)

Date _____/_____/____

Installer's name Terry's Well Service, IncType of pump SubDepth to intake 120 ftPump diameter 4"Rated capacity 50 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☒ sandstoneMain water-supply zone from 220 ft to 230 ft ☐ seepage wellStatic water level 85 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimatePumping water level 98 ft below GL; ☐ tape ☐ airline ☐ E-line ☒ estimateAt yield of 50 GPM; ☐ orifice ☒ volumetric ☐ estimate for 10 hours

Measurements taken at _____: _____ (AM / PM) Date _____/_____/____

Water quality test? (yes / no)

Date tested _____/_____/____

Tested by _____

Contractor _____

Address _____

Driller Randy ZiemanCertification no. N/A

Send original form to: Iowa Department of Natural Resources - Geological Survey

Make photocopies for: Well Contractor, Customer, and County Health Department

Received - 01/09/2012