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

WELL RECORD

64095

Permit No. 2007-0462W

Site identification

Property Owner: City of Marengo Well Number: 11

Address: PO Box 245

Tenant: Marengo, Iowa Water Department

Well Depth: 35GL ft Date Completed: ___/___/___

Location

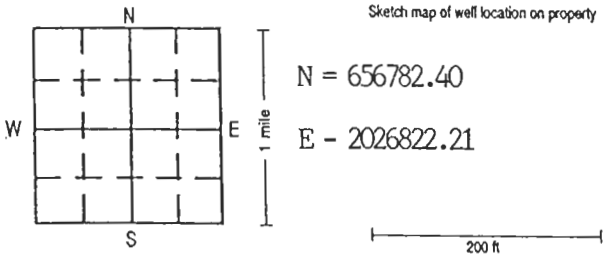
County: Iowa

___ mi. N/S and ___ mi. E/W of intersection of _____ and _____

SW 1/4 of the NE 1/4 of the SW 1/4 of Sec 25 TWP 81N RNG 11 E/(W)

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

Sketch map of well location on property



N = 656782.40

E - 2026822.21

☐ upland ☐ hillside ☑ valley Elevation (if known): 744

Formation log

From	To	Color	Hardness	Formation description
0	11	Br.		Till
11	23	Br.		Fine Sand
23	35	Br.		Fine to Med. sand and gravel

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 _____ (explain)

Drill method

☑ rotary ☐ auger ☐ cable other: Reverse

Hole size

36 inch from 0 ft to 35 ft

___ inch from ___ ft to ___ ft

hole size continued: ___ 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) Pitless adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12 3/4"	.375/49.56	+4	28	32

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
Bentonite	23	28	22 Sacks
ASTM - C150	0	23	86 Sacks

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12 3/4"	0.060	28	35	7	SS

Bottom capped (yes / no) with Stainless steel plate

Seals / Packers (yes / no) kind _____ depth _____ ft

Gravel packed (yes / no) from 25 ft to 35 ft

type #2 Northern amount 8000#

Well developed? (yes / no)

Explain: Surging

Pump installed? (yes / no)

Date Nov. / ___ / 2007

Installer's name: Northway Well and Pump Company

Type of pump: Turbine Depth to intake: 25 ft

Pump diameter: 10" Rated capacity: 350 GPM

Water information

Aquifer: ☒ sand/gravel ☐ limestone ☐ sandstone

Main water-supply zone from 25 ft to 35 ft

Final water level (static water level) 10.6 ft (below / above) GL.

Pumping water level 25 ft below GL; ☐ tape ☐ airline ☐ E-line

At yield of 550 GPM; ☐ orifice ☐ volumetric ☐ estimate Date Sept. 5, 2007

Water quality test? (yes / no)

Date tested 9 / 5 / 2007

Tested by: Keystone Laboratory

Test results: On File

Contractor: Northway Well and Pump Company

Address: 4895 8th Avenue

Driller: Dan Glessner Certification no. 2651

white copy - Iowa DNR Geological Survey Bureau