WELL RECORD

Permit No. __2007-0462W

Site identification					Drill method X rotary auger cable other Reverse
Property Owner <u>City of Marrengo</u> Well Number <u>10</u>					Hole size hole size continued
Address PO Box 245					36_inch_from0_ft_to35ftinch_fromft_toft
Tenant Marengo, Iowa Water Department					inch fromft toftinch fromft toft
Well Depth 40 ft Date Completed 8 / 14 / 2007				eted 8 / 14 / 2007	Record all depth measurements from ground level (GL). Use (+) for above GL measurements.
Location County Iowa					Casing Drive shoe (yes / no) Pitless adaptor (yes / no)
mi. N andmi. E of intersection ofand					Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length)
SW 1/4 of the NE 1/4 of the SW 1/4 of Sec 25 TWP 81N RNG 11 (W)					12 3/4" .375/49.56 +4 31 35"
Show exact location of well in section grid with a dot (◆).					
N Sketch map of well location on property					
N = 657049.06					Perforated or slotted casing? (yes no
W E E = 2026872.90					Perforated / slotted fromtt tott
				OLWIL: N	Perforated / slotted fromft toft
					Casing grouted? (yes)no)
	S		· <u>-</u>	200 ft	Type Depth Top Depth Bottom Amount
Format	□hillside	· Dvalle	ey Ele	vation (if known)744	Bentonite 25 30 25 Sacks
From	To	Color	Hardness	Formation description	ASIM-C150 0 25 85 Sacks Well screen? (yes) no)
0	6			Top Soil	Diameter Stot size Depth Top Depth Bottom Length Material
6	9	Br.		Till	12 3/4" 0.080 31 40 9 SS
9	16	Br.		Fine Sand	
16	24	Gr.		Fine to Med. Sand	Bottom capped (yes) no) with Stainless Steel Plate
24	35	Gr.		Medium to Coarse	Seals / Packers (yes no kind depthtt
				Sand and Gravel	Gravel packed (yes) no) from 30 ft to 40 ft
					type <u>#2 Northern</u> amount 8000# Well developed? (yes) no)
					Explain Singing
		ļ			
					Pump installed? (yes)no) Date November / 2007
					Installer's name Northway Well and Pump Company
					Type of pump <u>Turbine</u> Depth to intake <u>25</u>
					Pump diameter 10' Rated capacity 350 GPI
					Water information Aquifer: ★sand/gravel ☐ limestone ☐ sandstone
					Main water-supply zone from 25 ft to 35 ft
					Final water level (static water level) 11.9 ft (below) above) GL.
					Pumping water level <u>24.3</u> ft below GL; ☐ tape ☐ airline X E-line
					Flow Meter At yield of 550 GPM; orifice volumetric estimate Date Sept. 20
			fitional sheets		Water quality test? (yes (no) Date tested//
Remarks (including depth of lost drilling fluids, materials, or tools)					Tested by
					Test results
Well					
☐ Domestic Municipal ☐ Industrial ☐ Livestock ☐ Public Supply ☐ Monitoring					Contractor Northway Well and Pump Company
☐ Test Well ☐ Irrigation ☐ Other					Address 4895 8th Avenue - Marion, Towa Driller Dan Glessner Certification no. 2651
-577.042.000				(explain)	Driller Louis Occasional Certification no. 2001