58101

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

WELL RECORD

Permit No. 2003-572W
Public Water Supply No 9855202. Project No W2002-453

Site identification

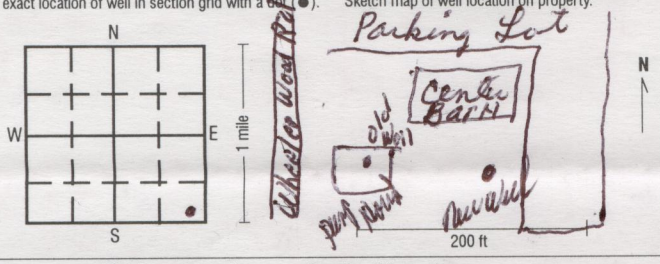
Property Owner Iowa Welcome Center Well Number 2
Address 4705 Wheeler Wood Rd Northwood Iowa
Tenant public
Well Depth 165 ft Date completed 10/23/03

Location

County Worth

1/10 mi. N/S and mi. E/(W) of intersection of INT 35 and 105
SE 1/4 of the SE 1/4 of the SW 1/4 of Sec 29 TWP 100 RNG 21 E/(W)

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



(upland) ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	3			Top Soil
3	19	yel		Clay
19	61	Grey		"
61	80			Sand + Gravel
80	115	Grey + Blue		Shale
115	160	Tan	Med	Limestone
160	165	Tan	med/soft	Sandstone + Gravel

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock (Public supply) ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____ (explain)

Drill method

(rotary) ☐ auger ☐ cable other _____

Hole size

12¼ inch from 0 ft to 147 ft
7⅞ inch from 147 ft to 165 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 adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
8" Steel	Sch 40	+2	147	149 ft

Perforated or slotted casing? (yes / no)

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

Casing grouted? (yes / no) Placement method Ben Seal Pumped

Type	Depth Top	Depth bottom	Amount (vol/wt)
Ben Seal	20	147 ft	300 gal
Hole plug	5	20	500 lbs

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
	0.___				
	0.___				

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain Air Compressor
(pumped, airlifted, bailed) for 4 hrs at 150 GPM.

Pump installed? (yes / no) Date 10/31/03

Installer's name Lake Mills Pump
Type of pump Sub Depth to intake 128 ft
Pump diameter 5¾ Rated capacity 120 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone (sandstone)
Main water-supply zone from 160 ft to 165 ft ☐ seepage well
Static water level 20 ft (below / above) GL; (tape) ☐ airline ☐ E-line ☐ estimate
Pumping water level 120 ft below GL; (tape) ☐ airline ☐ E-line ☐ estimate
At yield of 150 GPM; ☐ orifice ☐ volumetric (estimate)
Measurements taken at 10:00 (AM / PM) Date 10/23/03

Water quality test? (yes / no)

Date tested ____/____/____
Tested by _____

Contractor Bill Beemer Well Co
Address 2215 Fenton Ave Webster City Ia
Driller Matt Eslick Certification no. 4005

white copy – **Iowa DNR, Geological Survey Bureau** blue copy – **Well Contractor** pink copy – **Customer** yellow copy – **County Health Officer**