

WELL RECORD FORM

1 of 3

83239

PWTS No. or PWS No. _____ PWTS Permit No. _____ GEOSAM Well No. (IGS use only)

Site Identification
 Property owner AGP # 2 Other ID _____
 Address 2102 140th Ave City Algona
 Tenant _____
 Well depth 280 ft Date completed 12, 11, 15

Drill Method Rotary Auger Cable Other _____

Hole size
 _____ inch from 0 ft to _____ ft
 _____ inch from _____ ft to _____ ft

Location County Kossuth

GPS coordinates (NAD83 datum)
 Latitude _____ Longitude _____
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
 _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ R1G _____ W
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

Casing or Loop Pipe
 Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Packer/Seal	Stuffed	Screen
				<input type="checkbox"/>	<input type="checkbox"/>	slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	slot size _____

Casing Grout Placement method _____

Type	Depth Top	Depth Bottom	Amount (cu ft)

Formation Log

From	To	Color	Hardness	Formation description
0	2	Black	S	Topsoil
2	8	yellow	S	Clay
8	13	brown	S	Clay
13	24	blue	S	Clay
24	28	colored	S	Gravel
28	30	blue	S	Shale
30	62	gray	S	Clay
62	65	gray	S	Shale
65	133	gray	S	Sandy Clay
133	136	white	S-m	Limestone & light gray shale
136	144	orange	S-m	Clay & Sandstone
144	150	yellow	S	Sandstone
150	163	orange	S	Sandstone
163	172	yellow	S	Coarse Sand
172	173	white	S	Limerock
173	176	white	S	Clay

Pump installation Date ____/____/____
 Type of pump _____ Depth to intake _____ ft
 Pump diameter _____ in Rated capacity _____ GPM

Water Information Date ____/____/____
 Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
_____ ft	_____ ft	_____ GPM	_____ hrs

Water level measurement: Sonic Tape A-line E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from _____ ft to _____ ft below GL

Well Development
 Physical explain: _____
 Chemical explain: _____

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

Well Use
 Domestic Public supply Livestock
 Heat pump Commercial Irrigation
 # of borehole(s) _____ Monitoring Other _____

Contractor
 Company Shumacher Well Drilling
 Address 2001 Stage Drive Algona
 Driller Jeremy Walker Certification no. 6087

Site identification

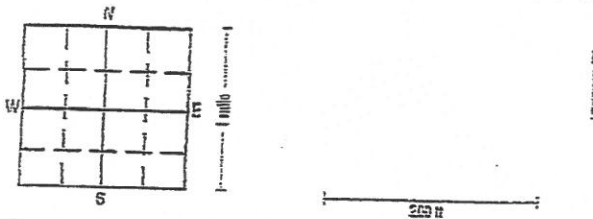
Property Owner AGO # 2 Other ID _____
 Address _____
 Tenant _____
 Well Depth _____ ft Date completed ____/____/____

Drill method rotary auger cable other _____
 Hole size
1 1/2 inch from 0 ft to 225 ft
9 7/8 inch from 225 ft to 280 ft

Location

County _____
 _____ mi. ⁿ/_s and _____ mi. ^w/_e of intersection of _____ and _____
 1/4 of the _____ 1/4 of the _____ 1/4 of the _____ Sec _____ TWP _____ RANG _____
 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.



Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing Drive size (yes/no) _____ Fillass adapter (yes/no) _____

Size (D/OD)	Type/Wt	Depth top	Depth bottom	Amount (length)
10"	Steel	+2	225'	227'

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)
Grout	6	225	5 yards

upland beside valley level surface elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
176	181	red	S	Clay
181	184	gray	MH	Limestone
184	186	white	S	Clay
186	190	white	M	Sandstone
190	192	white	S	Clay
192	208	red	S	Clay
208	209	blue green	S	Shale
209	212	brown	M-MH	Limestone & Shale
212	216	red	S	Clay
216	218	green	S	Shale
218	220	white	S.MH	Shale & Limestone
220	229	white	MH	Dolomite
229	231	green	M-MH	Sandstone
231	238	white green	MH	Limestone & Shale

Well screen? (yes/no) _____
 Diameter _____ Slot size _____ Depth top _____ Depth bottom _____ Length _____ Material _____

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 _____
 (pumped, drilled, bailed) for 8 hrs at 700 GPM

Pump installed? (yes/no) _____ Date ____/____/____
 Installer's name _____
 Type of pump _____ Depth to intake _____ ft
 Pump diameter _____ Rated capacity _____ GPM

Water information: Aquifer: sand/gravel limestone sandstone
 Main water-supply zone from 248 ft to 260 ft seepage well
 Static water level 78 ft (below/above) GL; tape airline line estimate
 Pumping water level 120 ft below GL; tape airline line estimate
 Atyield of 450 GPM; orifice volumetric estimate for _____ hours
 Measurements taken at _____ (AM/PM) Date ____/____/____

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

Water quality test? (yes/no) _____ Date tested ____/____/____
 Tested by _____

Well use
 Domestic Heat pump Commercial
 Livestock Municipal Monitoring
 Test well Public supply Other
 Irrigation _____

Contractor Schumacher well
 Address _____
 Driller J Walker Certification no. 6087

