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

WELL RECORD

Permit No. 2021-0124W

Site identification

Property Owner Bayer AG Well Number 11C

Address 2500 Wiggins Rd. Muscatine, IA 57261

Tenant

Well Depth 138 ft Date completed 06 / 04 / 2021

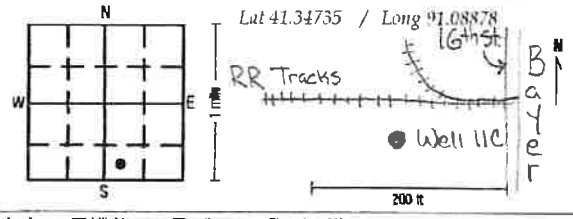
Location

County Muscatine

____ mi. N/S and ____ mi. E/W of intersection of ____ and ____

NE 1/4 of the NW 1/4 of the SE 1/4 of Sec 33 TWP 76 RNG 02 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'	Br		Top Soil
3'	34'	Br		Sand
34'	45'	Br		Find to Med sand and gravel
45'	60'	Br		Med sand and gravel
60'	87'	Br		Find Sand
87'	95'	Br		Med to large sand and gravel
95'	138'	Gr		Med sand and gravel
138'				Bedrock

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 Reverse

Hole size

36 inch from 0 ft to 140 ft

hole size continued: ____ inch from ____ ft to ____ 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) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
24" OD	304 SS	+2' 6'	98'	100' 6"
	.375/255.41			

Perforated or slotted casing? (yes / no)

Perforated / slotted from ____ ft to ____ ft

Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no) Placement method Trimie Pipe

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite	70'	60'	64 sacks
Cement	2'	25'	3 yards

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24"	0. 090	98'	138'	40'	304 SS
	0.				

Bottom capped (yes / no) with 3/8" SS Plate

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

Gravel packed (yes / no) from 70 ft to 138 ft

type 3/16" x #10 amount 92,000lbs

Well developed? (yes / no)

Explain Double disc surge block and airlifting

(pumped, airlifted, bailed) for 12 hrs at 1500 GPM.

Pump installed? (yes / no) Date 8 / 24 / 2021

Installer's name Northway Well & Pump Co

Type of pump Vertical Turbine Depth to intake 80 ft

Pump diameter 14" Rated capacity 1500 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 30 ft to 138 ft ☐ seepage well

Static water level 15 ft (below / above) GL: ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 20 ft below GL: ☒ tape ☐ airline ☐ E-line ☐ estimate

At yield of 1500 GPM; ☐ orifice ☐ volumetric ☐ estimate ☑ Meter

Measurements taken at 12 : 00 (AM / PM) Date 06 / 02 / 2021

Water quality test? (yes / no) Date tested 6 / ____ / 2021

Tested by Hygenic Lab

Contractor Northway Well & Pump Co

Address 4395 8th Ave Marion, Iowa 52302

Driller Leon Carpenter Certification no. 1822

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