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

WELL RECORD

079080

Permit No. 7048001

Site identification

Property Owner: Muscatine Power and Water Well Number: 44

Address: 1700 Dick Drake Way, Muscatine, IA. 52761

Tenant:

Well Depth: 79.5 ft Date completed: 5 / 29 / 2014

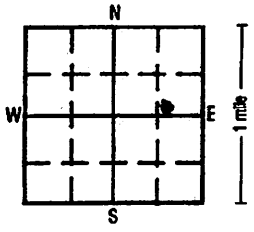
Location

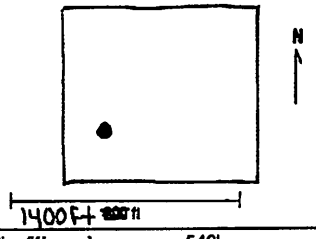
County: Muscatine

.44 mi. N (S) and 1.2 mi. E (W) of intersection of US Hwy 61 and Dick Drake Way

SW 1/4 of the 02 1/4 of the NE 1/4 of Sec 15 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): 540'

Formation log

From	To	Color	Hardness	Formation description
0'	3'			Sandy Top Soil
3'	30'			Red Sand, Gravel
30'	41'			Fine Gray Sand, Small Gravel
41'	62'			Brown Sand, Gravel
62'	64'			4-12" rocks, Sand, Gravel
64'	79.5'			Gray Sand, 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: Reverse

Hole size

42 inch from ___ ft to 79.5 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 adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
30" OD	.500	+19.2	59.5	77.7
29" ID	157.5 pf			

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)
Neat Cement	12'	33'	120 Bags

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
30'	0.080	59.5	79.5	20'	SS
	0.___				

Bottom capped (yes / no) with: SS Plate

Seals / Packers (yes / no) kind: Hole Plug depth: 33' - 39' ft

Gravel packed (yes / no) from: 79.5 ft to: 39' ft

type: #3 Well Pack amount: 12 Super Sack

Well developed? (yes / no)

Explain: Doube Disk Swabbed, 20 Hours

(pumped, airlifted, bailed) for ___ hrs at ___ GPM.

Pump installed? (yes / no)

Date: 6 / 25 / 2014

Installer's name: Northway Well and Pump Co

Type of pump: Turbine Depth to intake: 75 ft

Pump diameter: 12" Rated capacity: 1200 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 59.5 ft to 79.5 ft ☐ seepage well

Static water level 10' ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level ___ ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

At yield of ___ GPM; ☐ orifice ☐ volumetric ☐ estimate

Measurements taken at ___:___ (AM / PM) Date ___ / ___ / ___

Water quality test? (yes / no)

Date tested: 4 / 3 / 2014

Tested by: Muscatine Power and Water

Contractor: Northway Well and Pump Co.

Address: 4895 8th Ave Marion, IA. 52772

Driller: Leon Carpenter Certification no.: 1833

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