

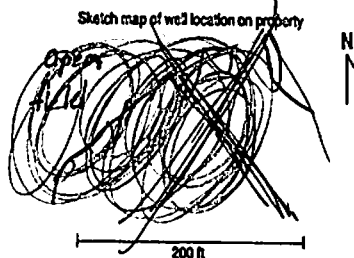
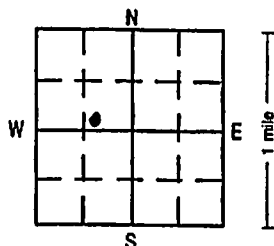
Site Identification

Property Owner Muscatine Power & Water Well Number 43
Address 2600 Dick Drake Way
Tenant N/A
Well Depth 129 ft Date Completed 8/15/2012

Location

County Muscatine
0.06 mi. ^W and 0.31 mi. ^E of intersection of US 54 and 33rd St.
SW 1/4 of the SE 1/4 of the NW 1/4 of Sec 516 TWP 16N RNG 2E

Show exact location of well in section grid with a dot (•).



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

Formation log

From	To	Color	Hardness	Formation description
0	2	BLK		Top soil
2	15	Brown		Sand, gravel
15	50	Brown		Sand gravel 1-4" Rocks
50	70	gray		Fine sand
				2" Rocks
70	100	gray		coarse sand
				gravel 4" Rocks
100	105	gray		gray clay
				with Rocks
105	115	gray		sand - sm Rocks
115	129	gray		coarse sand

use additional sheets as needed

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

Well use

- ☐ Domestic ☒ Municipal ☐ Industrial
☐ Livestock ☐ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other _____

(explain)

Drill method

☐ rotary ☐ auger ☐ cable other Reverse

Hole size

4 inch from 0 ft to 129 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 adaptor (yes/no) _____

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
30 00	sch 80	+ 2 1/2'	89'	90'

Perforated or slotted casing? (yes/no)

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

Casing grouted? (yes/no)

Type	Depth Top	Depth Bottom	Amount
Neat Cement	10'	85'	70 BAGS

Well screen? (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
30"	.080	89'	129'	40'	SS

Bottom capped (yes/no) with SS PLATE
Seals/Packers (yes/no) kind Bentonite depth 30'-25'
Gravel packed (yes/no) from 129 ft to 30' ft
type #3 amount 10 super sacks

Well developed? (yes/no)

Explain Double Disc Sample + Air lift development

Pump installed? (yes/no)

Date 10/29/2012

Installer's name Northway Well Co.
Type of pump Turbine Depth to Intake 87 ft
Pump diameter 12 Rated capacity 1000 GPM

Water Information

Aquifer: ☒ sand/gravel ☐ limestone ☐ sandstone

Main water-supply zone from 90 ft to 129 ft

Final water level (static water level) 22 ft (below/above) GL.

Pumping water level 100 ft below GL; ☐ tape ☒ airline ☐ E-line

At yield of 1000 GPM; ☐ orifice ☐ volumetric ☒ estimate Date 10-30-12

Water quality test? (yes/no)

Date tested 11/1/2012

Tested by Taken by Muscatine Power
Test results and water

Contractor Northway Well & Pump Co.
Address 4895 8th Ave Marion Iowa
Driller Paul Pachn Certification no. _____