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

WELL RECORD #39461

Permit No. _____

Site identification

Property Owner John Deere Well Number _____

Address Dubuque, Iowa

Tenant _____

Well Depth 139 ft Date Completed 7/27/96

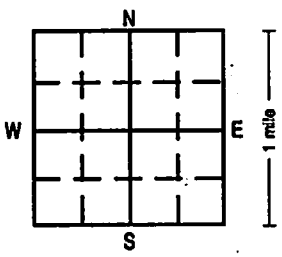
Location

County Dubuque

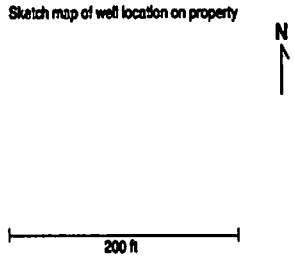
____mi. N/S and ____mi. E/W of intersection of _____ and _____

____1/4 of the ____1/4 of the ____1/4 of Sec ____ TWP ____ RNG ____ 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	40			Coarse Sand Some Gravel
40	45			Fine Sand
45	56			Coarse Sand
56	141			Fine 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 _____

Hole size

5ie inch from 0 ft to 139 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 adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
24"	.375	+3'	73'	76'

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	-7'	20'	4.5 yds

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24"	.035	73'	139'	66'	S.S.

Bottom capped (yes / no) with S.S. plate
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from 25 ft to 139 ft
type Coarse Ø amount 80 TON

Well developed? (yes / no)

Explain Airlift pumping / Bailing

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 56 ft to 139 ft
Final water level (static water level) 36.4 ft (below) above) GL.
Pumping water level 48.5 ft below GL; ☐ tape ☒ airline ☐ E-line
At yield of 386 GPM; ☒ orifice ☐ volumetric ☐ estimate Date _____

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

Tested by John Deere
Test results _____

Contractor Layne-Western
Address North Liberty
Driller Gary McCracken Certification no. 40285

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