W-35949

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

WELL RECORD

Permit No. PW 3442

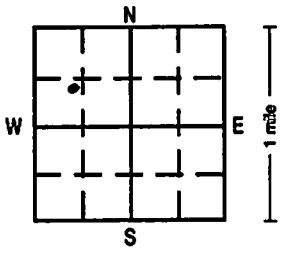
Site Identification

Property Owner John Deere Well Number 4A
Address 18600 John Deere Rd.
Tenant
Well Depth 136 ft Date Completed 5 / 1 / 95

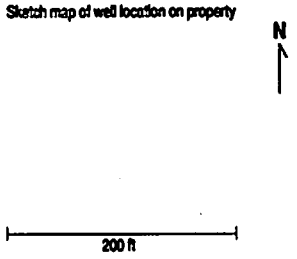
Location

County
___ mi. N/S and ___ mi. E/W of intersection of ___ and ___
NW 1/4 of the SW 1/4 of the NE 1/4 of Sec 35 TWP 090 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'	1'	Brwn		Top soil
1'	72'			Course Sand / gravel
72'	73'			Large gravel / Sand
73'	138'			Med to Fine Sand
138'	139'			Sandy clay

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

5 6/8 inch from 0 ft to 136 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

Size (ID/OD)	Type / Wt	Drive shoe (yes / no)	Depth top	Pitless adaptor (yes / no) Depth bottom	Amount (length)
24"	Steel	2' Above	70'		72'

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	0'	25'	5 yds.

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24"	.035	70'	136'	66'	S.S.

Bottom capped (yes / no) with Stainless steel plate
Seals / Packers (yes / no) kind ___ depth ___ ft
Gravel packed (yes / no) from 30 ft to 136 ft
type Northern Course amount 80 Ton

Well developed? (yes / no)

Explain Zone development by pumping, Surge pumping

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 70 ft to 136 ft
Final water level (static water level) 3.6 ft (below / above) GL.
Pumping water level 50.7 ft below GL; ☒ tape ☐ airline ☐ E-line
At yield of 150 GPM; ☒ orifice ☐ volumetric ☐ estimate Date

Water quality test? (yes / no) Date tested 5 / 5 / 95

Tested by State hygienic Lab
Test results

Contractor Layne-Western Co.
Address North Liberty, Iowa
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

Layne-Western Company, Inc.

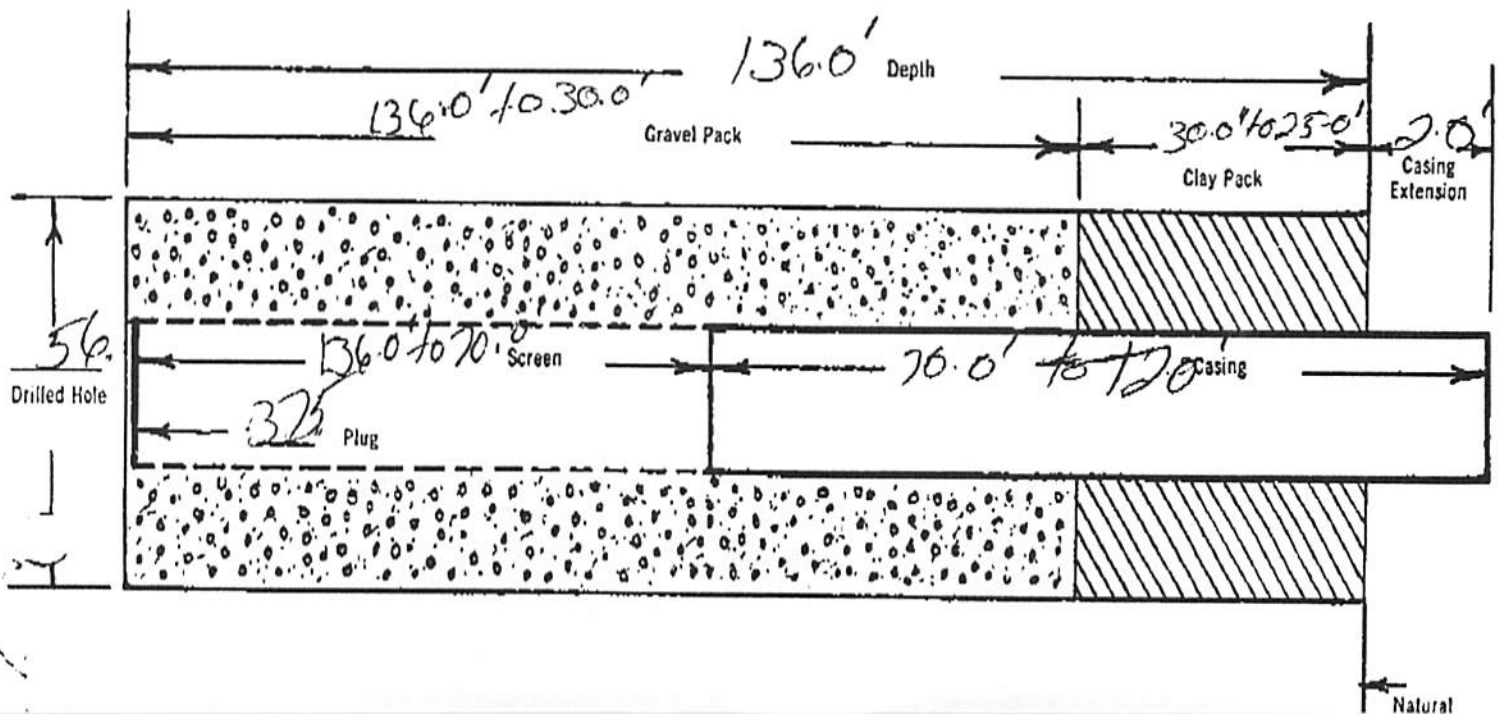
Well Information

Omaha, Nebraska

Page 2

CONTRACT John Deere, Dubuque Iowa 72-3150 Well No.

Log of well from ground level:

#35949

Feet		Feet	Formation
	to		
0	to	1	Top soil
1	to	72	Coarse to Med- sand w/small gravel
72	to	73	[redacted] large gravel, sand
73	to	138	Med- to fine sand
138	to	139	Sandy Clay
	to		
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