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

WELL RECORD 44147

Permit No. _____

Site identification

Property Owner Village Oaks Subdivision Well Number _____

Address 116th St, Blue Grass IA

Tenant _____

Well Depth 561 ft Date completed 12 / 4 / 03

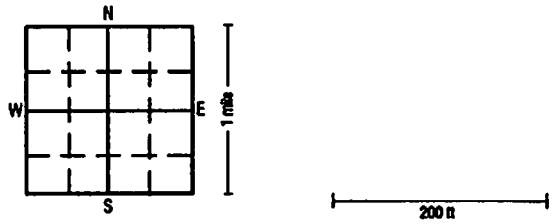
Location

County Scott

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

____ 1/4 of the ____ 1/4 of the NW 1/4 of Sec 18 TWP 77N RNG 2E (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	36	yel	soft	clay
36	125	black	soft	shale
125	306	brown	med	rock
306	561	gray	soft	silurian

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 subdivision (explain)

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

13 inch from 0 ft to 322 ft
7 7/8 inch from 322 ft to 561 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)
8" ID	A53 steel	+1	322'	321'

Perforated or slotted casing? (yes / no)

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

Casing grouted? (yes / no) Placement method haliburton

Type	Depth Top	Depth bottom	Amount (vol/wt)
bentonite	0	322'	30 bags

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
	0.___				
	0.___				

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain airline
(pumped, airlifted, bailed) for 1 hrs at 200 GPM.

Pump installed? (yes / no) Date 1 / 9 / 04

Installer's name Latta
Type of pump submersible Depth to intake 315 ft
Pump diameter 6" Rated capacity 100 GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone
Main water-supply zone from 306 ft to 561 ft ☐ seepage well
Static water level 260 ft (below / above) GL: ☐ tape ☐ airline ☐ E-line ☒ estimate
Pumping water level 400 ft below GL: ☐ tape ☐ airline ☐ E-line ☒ estimate
At yield of 200 GPM; ☐ orifice ☐ volumetric ☒ estimate
Measurements taken at 10 : 00 (AM / PM) Date 1 / 14 / 04

Water quality test? (yes / no) Date tested 1 / 14 / 04

Tested by Q C Metallurgical Laboratory

Contractor Latta Well & Pump
Address 1051 Taylor Ave, Wilton IA 52778
Driller K Latta Certification no. 40444

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