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

WELL RECORD

58587

Page 1

Permit No. _____

Site identification

Property Owner Luxemburg, City Of Well Number _____
Address 2877 US 52, Luxemburg
Tenant _____
Well Depth 1200 ft Date completed 2/11/04

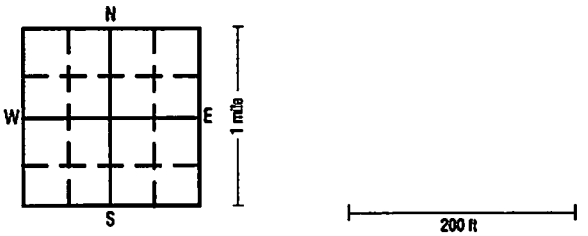
Location

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 15 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'	14'	Brown		Clay
14'	16'	Blue		Clay
16'	21'			Sand, Limerock Chips
21'	74'	Blue		Clay
74'	75'			Sand
75'	101'	Blue		Clay
101'	105'	White		Limerock & Shale
105'	212'	Brown		Limerock
212'	335'	Green-Blue		Shale
335'	370'	Brown		Shale Rock
370'	389'	Dark Brown		Shale Rock
389'	620'	Brown		Limerock
620'	660'	Brown		Limerock, Shale streaks
660'	685'	Brown		Hard Limerock
685'	715'	Brown		Limerock

use additional sheets as needed (cont.)

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 _____

Hole size

17½ inch from 0 ft to 110 ft
13 inch from 110 ft to 810 ft

hole size continued

7⅞ inch from 810 ft to 1200 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)
14" OD	Steel	1+	110'	111'
8"	Steel	0'	810'	810'

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	0'	810'	563 sacks

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 800' @ 80 GPM, 580' @ 50 GPM
(pumped, airlifted, bailed) for _____ hrs at _____ GPM.

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 _____ ft to _____ ft ☐ seepage well
Static water level 470 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 ___/___/___

Tested by _____

Contractor Shawver Well Co., Inc.
Address Fredericksburg, IA 50630
Driller Gary Martin Certification no. 404.73

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

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

WELL RECORD Page 2

5858 ?

Permit No. _____

Site identification

Property Owner Luxemburg, City Of Well Number _____

Address 2877 US 52, Luxemburg

Tenant _____

Well Depth _____ ft Date completed ____/____/____

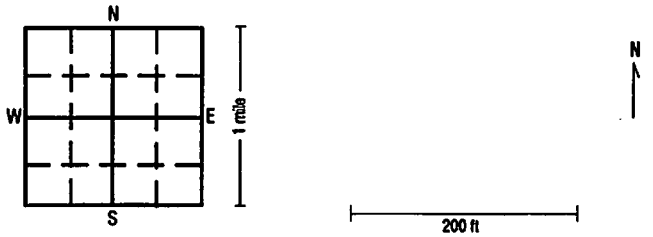
Location

County _____

____ 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
713'	715'	Blue		Shale
715'	760'	Lt Braun		St. Peter Sandstone
760'	860'	Braun		Limerock
860'	862'	Blue		Hard Shale
862'	980'	Braun		Limerock
980'	1036'	Lt Braun		Limerock
1036'	1047'	Gray		Limerock
1047'	1060'	Lt Braun		Limerock
1060'	1080'	White Pink		Sandstone
1080'	1147'	White		Jordan Sandstone
1147'	1160'	White		Limerock
1160'	1200'	Braun	Hard	Limerock

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 _____

Hole size

____ inch from 0 ft to ____ 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)

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)

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

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 _____ ft to _____ ft ☐ seepage well
Static water level _____ 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 ____/____/____
Tested by _____

Contractor

Contractor Shawver Well Co., Inc.
Address _____
Driller _____ Certification no. _____

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