

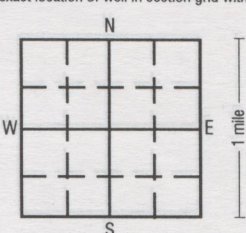
Site identification

Property Owner City of Goose Lake Well Number _____
Address Goose Lake IA 52732
Tenant _____
Well Depth 1165 ft Date completed 06/11/04

Location County Clinton

_____ mi. N and _____ mi. E of intersection of _____ and _____
_____ 1/4 of the _____ 1/4 of the _____ 1/4 of the _____ Sec. _____ TWP. _____ RNG. _____ E W

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

 In city

☐ upland ☐ hillside ☐ valley Elevation (if known) 764'

Formation log				
From	To	Color	Hardness	Formation description
0	7	brown	sandy	clay
7	12	yellow		gravel stone
12	18	orange	soft	limerock
18	22	orange		limerock
22	24	yellow	soft	limerock
24	36	orange		limerock
36	37	orange	soft	limerock
37	42	yellow		limerock
42	67	cream/yellow		limerock
67	96	gray		limerock
96	127	black/gray		limerock
127	289	blue/green		shale
289	336	brown		shale
336	511	lt brown		galena limerock
511	658	brown/blue		shalerock
658	667	blue	soft	shale
667	684	green		sandstone

use additional sheets as needed

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

96' - 20-25 GPM

Well use

☐ Domestic ☒ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____ (explain)

Drill method ☒ rotary ☐ auger ☐ cable other _____

Hole size

6 1/4 inch	from	0 ft	to	38 ft
13 inch	from	42 ft	to	757 ft

hole size continued

12 3/8 inch	from	757 ft	to	820 ft
7 7/8 inch	from	820 ft	to	1165 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"	steel	+2	42	44'	
8"		+2	820	822'	

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted?		Placement method	
Type	Depth Top	Depth bottom	Amount (vol/wt)
Neat cement	0	820	634 slb
High early	0	42	24 slb

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) ☒ yes

Explain _____

(pumped, airlifted, bailed) for 2 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 196 ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

At yield of 500 GPM; ☐ orifice ☐ volumetric ☐ estimate

Measurements taken at _____ : _____ (AM / PM) Date ____ / ____ / ____

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

Tested by _____

Contractor Shawver Well Co

Address Fredericksburg IA 50603

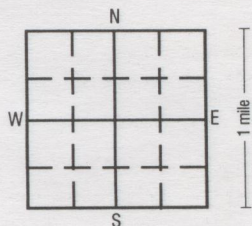
Driller Dave Halweg Certification no. 2814

Identification
Property Owner City of Goose Lake Well Number
Address Goose Lake IA 52732
Tenant _____
Well Depth 116S ft Date completed 06/11/04

Location County Clinton

_____ mi. N and _____ mi. E 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
684	690	white		Sandstone
690	740	green		Sandstone
740	750	gray/blue		Shale
750	757	gray/brown		Limestone
757	787	light brown gray		limestone
787	800	red/brown		shale/limestone mix
800	820	cream/gray/brown		limerock
820	825	cream/gray		limerock
825	826	red		limerock
826	846	cream/		limerock
846	847	white		Sandstone
847	926	cream/brown		limerock
926	1099	cream/brown		limerock
1099	1110	white/gray		Sandstone
1110	116S	gray/cream		limerock w Sandstone streaks

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 _____ ft to _____ ft
_____ 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

Perforated or slotted casing? (yes/no)
 Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted?		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 _____
 Address _____
 Driller _____ Certification no. _____