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

WELL RECORD 46632 Permit No. 98-372-W

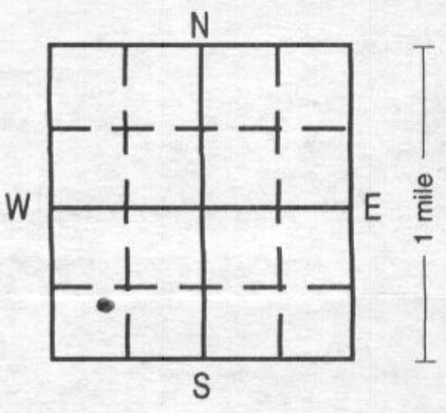
Site identification

Property Owner City of Lewis Well Number 4
Address 418 Main Street, P.O. Box 66 51544-0066
Tenant City of Lewis
Well Depth 104 ft Date Completed 8 / 22 / 98

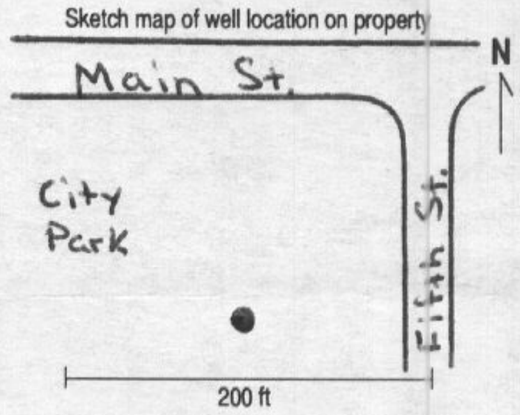
Location

County Cass
150 ft. N (S) and 100 ft. E (W) of intersection of Main and Fifth
SW 1/4 of the SW 1/4 of the ____ 1/4 of Sec 11 TWP 75N RNG 37 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) 1221.0' ±1

Formation log

From	To	Color	Hardness	Formation description
0	1			Top Soil
1	54	Br		Clay
54	72	Tan		Clay
72	76	Tan		Fine Gravel w/ clay
76	104	Tan		Sandstone
104	105	Yel	very hard	Ochre

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 Reverse

Hole size

32 inch from 0 ft to 105 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)
12"	49.56 lbs/ft	+3.5	84	87.5'

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	12'	57'	10 yds.

Well screen? (yes / ~~no~~)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12"	.035	84	104	20	S.S.

Bottom capped (yes / ~~no~~) with S.S. Plate
Seals / Packers (~~yes~~ / no) kind ___ depth ___ ft
Gravel packed (yes / ~~no~~) from 58 ft to 104 ft
type LM type B amount 16 Ton

Well developed? (yes / no)

Explain Surged + Bailed

Pump installed? (yes / no) Date 10 / 15 / 98

Installer's name Dennis Mohr
Type of pump Submersible Depth to intake 84 ft
Pump diameter 6" Rated capacity 100 GPM

Water information

Aquifer: ☐ sand/gravel ☐ limestone ☒ sandstone
Main water-supply zone from 84 ft to 104 ft
Final water level (static water level) 61 ft (below / ~~above~~) GL.
Pumping water level 75 ft below GL; ☐ tape ☑ airline ☐ E-line
At yield of 100 GPM; ☑ orifice ☐ volumetric ☐ estimate Date ___

Water quality test? (yes / no) Date tested 9 / 2 / 98

Tested by Hygenic Lab
Test results ___

Contractor Layne-Western
Address 25450 Hwy 275
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**