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

WELL RECORD

34994

Permit No. 2001-257W

Site identification

Property Owner: City of Sheldon Well Number: 2001-2

Address: P.O. Box 276, Sheldon, IA 51201

Tenant:

Well Depth: 21 ft Date completed: 1/11/02

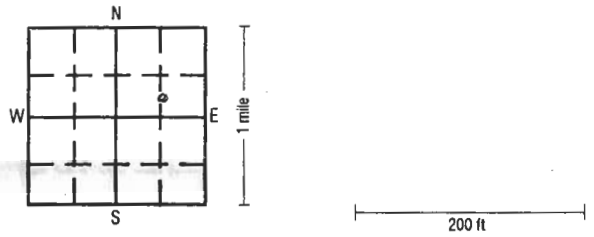
Location

County: O'Brien

.6 mi. (N/S) and .2 mi. (E/W) of intersection of Hwy 18 and Hwy 60

SW 1/4 of the SE 1/4 of the NE 1/4 of Sec 30 TWP 97N RNG 42 (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): 1392 Existing

Formation log

From	To	Color	Hardness	Formation description
0	9	Brown		Clay
9	21	Brown		Sand / Gravel
21	22	Gray		Clay

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 Reverse

Hole size

36 inch from 0 ft to 22 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)
18"	CT 70.59	+7	16	23

Perforated or slotted casing? (yes / no)

Perforated / slotted from ____ ft to ____ ft

Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no)

Placement method: Tremie

Type	Depth Top	Depth bottom	Amount (vol/wt)
1 neat cement	0	16	3 yd³

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
18	0.060	16	21	5	S.S.
	0.___				

Bottom capped (yes / no) with S.S. Plate

Seals / Packers (yes / no) kind ____ depth ____ ft

Gravel packed (yes / no) from 16 ft to 21 ft

type NGC #1 amount 2 Ton

Well developed? (yes / no)

Explain: Surge + bail

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

Pump installed? (yes / no)

Date 1/11/02

Installer's name: Dennis Mohr

Type of pump: Vertical Turbine Depth to intake: 19 ft

Pump diameter: 9" Rated capacity: 225 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 16 ft to 21 ft ☐ seepage well

Static water level 9 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 15 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

At yield of 150 GPM; ☒ orifice ☐ volumetric ☐ estimate

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

Water quality test? (yes / no)

Date tested ____/____/____

Tested by: Collected from test wells before construction

Contractor: Layne-Western

Address: 25450 Hwy 175 Valley, NE 68064

Driller: [illegible] Certification no. 40647