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

WELL RECORD 68383

Permit No. 2008-0015W

Site identification

Property Owner City of Nevada Well Number 8
Address 109 6th Street
Tenant Nevada, Iowa 50201-0530
Well Depth 89 ft Date completed 03 / 07 / 08

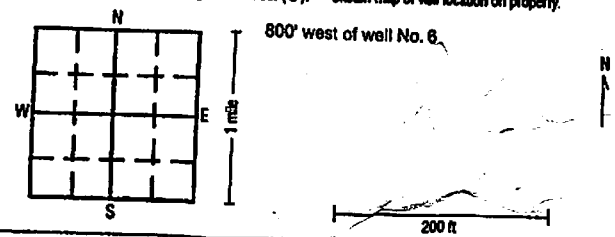
Location

County Story

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

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 19 TWP 83 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) 873.50

Formation log

From	To	Color	Hardness	Formation description
0	5			Berm
5	12	BL		Top soil
12	49	BR		Sand - fine to course
49	55	BR		Sand W/clay streaks
55	89	BR & GR		Sand & Gravel - Med. to course
89	91	GR		Clay

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other Revers Rot

Hole size

48 inch from 0 ft to 91 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)
16 OD	ST .375	+2	59'	61'

Perforated or slotted casing? (yes / no) X

Perforated / slotted from ____ ft to ____ ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no) X

Placement method Tremi

Type	Depth Top	Depth bottom	Amount (vol/wt)
C150	5'	43'	17 yards

Well screen? (yes / no) X

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.080	59'	89'	30'	SS
	0.___				

Bottom capped (yes / no) X with stainless steel plate welded
Seals / Packers (yes / no) X kind Bentonite depth 43 to 45 ft
Gravel packed (yes / no) X from 45 ft to 91 ft
type Northern #3 amount 30 Tons

Well developed? (yes / no) X

Explain Mechanically surged, Air lifted, and pumped
(pumped, airlifted, bailed) for 16 hrs at 1600 GPM.

Pump installed? (yes / no) X

Date 07 / 31 / 08
Installer's name Northway Well & Pump Co.
Type of pump Submersible Depth to intake 55 ft
Pump diameter 12" Rated capacity 600 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 55 ft to 89 ft ☐ seepage well
Static water level 12 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 20 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 1000 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at ____:____ (AM / PM) Date 03 / 07 / 08

Water quality test? (yes / no) X

Date tested 03 / 06 / 08
Tested by Northway Well & Pump

Contractor Northway Well & Pump Co.
Address 100 North 6th St. Waukee, Iowa
Driller Dan Glessner Certification no. 2651

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

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