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

WELL RECORD 079578

Permit No. 2014-231W

Site identification

Property Owner: City of Nevada Well Number: 9
Address: 1209 6th St. Nevada, IA 50201
Tenant:
Well Depth: 87.6 ft Date completed: 09 / 02 / 14

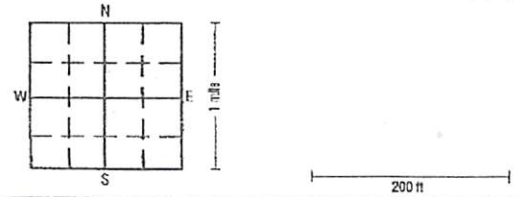
Location

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 ____ 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): 870

Formation log

From	To	Color	Hardness	Formation description
0	7	Blk		Top soil
7	28	Tan		Fine to Med. sand
28	42	Tan		Sand/Gravel
42	81	Tan		Med Sand to Gravel
81	87	Tan		Med Gravel to Cobbles
87	88	Grey		Clay

use additional sheets as needed

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Remarks (including depth of lost drilling fluids, materials, or tools)
Clamed large bolders 81' to 87'

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other: Rev. Rot.

Hole size

30 inch from 0 ft to 12 ft
26 inch from 12 ft to 88 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)
16"	St./62.58	+2'	57'	59'

Perforated or slotted casing? (~~yes~~ / no)

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

Casing grouted? (yes / ~~no~~)

Placement method: Pumped

Type	Depth Top	Depth bottom	Amount (vol/wt)
C120	10'	39'	3 yards

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

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.080	57'	87'	30'	SS
	0.___				

Bottom capped (yes / ~~no~~) with: SS Plate
Seals / Packers (yes / ~~no~~) kind: Bentonite depth: 39 to 41 ft
Gravel packed (yes / ~~no~~) from: 41 ft to: 88 ft
type: Northern #3 amount: 6 tons

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

Explain: Surge Block, Airlift, Bailed & Pumped
(pumped, airlifted, bailed) for 24 hrs at 1400 GPM.

Pump installed? (yes / ~~no~~)

Date: 01 / 28 / 15
Installer's name: Northway Well & Pump Co.
Type of pump: Submersible Depth to intake: 57 ft
Pump diameter: 9" Rated capacity: 800 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 28 ft to 87 ft ☐ seepage well
Static water level 9 ft (below / ~~above~~ GL); ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 23 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 1200 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at 3:00 (~~AM~~ / PM) Date: 08 / 27 / 14

Water quality test? (yes / ~~no~~)

Date tested: 08 / 27 / 14
Tested by: Keystone Labs

Contractor: Northway Well & Pump Co.
Address: 100 N. 6th St. Waukee, IA 50263
Driller: Lance McIntosh Certification no. 8469

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