94227

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

WELL RECORD

Permit No. 2019-0007W
WL06

Site identification

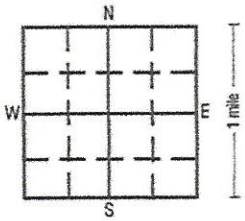
Property Owner: City of Adel Well Number: #6
Address: 301 S 10th St.
Tenant:
Well Depth: 42 ft Date completed ___/___/___

Location

County: Dallas

___ 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.



41.628909
- 94.000549

N

200 ft

☐ upland ☐ hillside ☒ valley Elevation (if known): 881.02

Formation log

From	To	Color	Hardness	Formation description
0	6	Br		Fine sand w/silt
6	18	Br		Fine sand to Med Gravel
18	24	Gray		Sand, gravel, cobbles
24	38	Gray		Sand, gravel, cobbles
				boulders
38	40	Gray		Shale

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

48 inch from 0 ft to 5 ft
42 inch from 5 ft to 40 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" .375	SS 62.58	+11'	32'	43'

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)
C-150 Neat	+9'	20'	220-94lbs
			Sacks

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

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16	0.080	32'	42'	10	SS
	0.___				

Bottom capped (yes / ~~no~~) with SS Plate
Seals / Packers (yes / ~~no~~) kind Bentonite depth 20 to 25' ft
Gravel packed (yes / no) from 25' ft to 42' ft
type #3 Northern amount 240 Cu. Ft.

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

Explain: Surge Blocked and Pumped
(pumped, ~~airlifted~~, bailed) for 16 hrs at 1000 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 10 ft to 42 ft ☐ seepage well
Static water level 7 ft (below / ~~above~~ GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
Pumping water level 18 ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 790 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at 6:00 (~~AM~~ / PM) Date 06 / 17 / 19

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

Date tested 06 / 17 / 19
Tested by: UHL

Contractor: Northway Well & Pump Co.
Address: 100 N 6th St. Waukee, IA
Driller: Certification no. 2392

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