94755

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

WELL RECORD

Permit No. W2020-0662
PWSID 9203007

Site identification

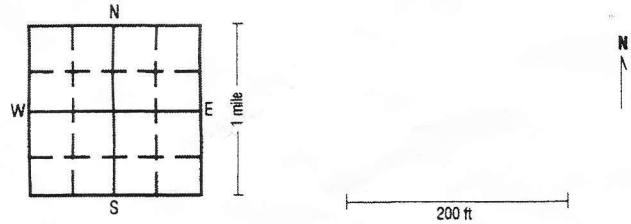
Property Owner City of Casey, IA Well Number 5
Address PO Box 196
Tenant
Well Depth 36' ft Date completed ___/___/___

Location

County Guthrie

___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) 1218.44'

Formation log

From	To	Color	Hardness	Formation description
0	8'	Black		Top soil
8'	12'	Black		clay/gumbo
12'	19'	Black		Silty clay
19'	32'	Gr		Sand to med gravel
32	36	Tan		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 ___

Hole size

34 inch from 0 ft to 36 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 (~~X~~/ no) Pitless adapter (yes / ~~X~~)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12" ID	.375 wall	+4'	-27'	31'

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

Perforated / slotted from ___ ft to ___ ft
Perforated / slotted from ___ ft to ___ ft

Casing grouted? (yes / ~~X~~)

Placement method Trimy

Type	Depth Top	Depth bottom	Amount (vol/wt)
C150	GL	20'	4 yards

Well screen? (yes / ~~X~~)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12"	0.30	35'	27'	8'	SS
	0.___				

Bottom capped (yes / ~~X~~) with SS Plate
Seals / Packers (yes / ~~X~~) kind Bentonite slury depth 20' - 25' ft
Gravel packed (yes / ~~X~~) from 25 ft to 36 ft
type #3 Northern amount 3 Tons

Well developed? (yes / ~~X~~)

Explain Mechanically surged/pumped
(pumped, ~~X~~, bailed) for 10 hrs at 80 GPM.

Pump installed? (yes / ~~X~~)

Date 10 / 13 / 20
Installer's name Northway Well & Pump Co. /Don Murphy
Type of pump Submersible Depth to intake 31 ft
Pump diameter 4" Rated capacity 50 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 19 ft to 32 ft ☐ seepage well
Static water level 14 ft (below / ~~X~~ GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
Pumping water level 22 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
At yield of 80 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at 3:00 (~~X~~/ PM) Date 10 / 13 / 20

Water quality test? (yes / ~~X~~)

Date tested ___/___/___
Tested by ___

Contractor Northway Well & Pump Co.
Address 100 N 6th St, Waukee, IA 50263
Driller Mark Evans Certification no. 2392

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

94755