

WELL RECORD

100866

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

PWTS Well No.:

PWTS Permit No.

County Permit No.

Site Identification

Property Owner GOWRIE MUNICIPAL UTILITIES, WELL #7 ID:Address 1213 BEEK ST, GOWRIE, IA 50543

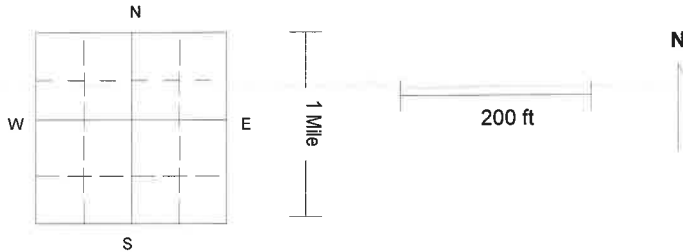
Tenant

Well Depth: 710 ft Date Completed: 7/7/2023Location County WEBSTER COUNTY IOWA mi.^N_S and mi.^E_W of intersection of and 1/4 of the 1/4 of the 1/4 of Sec 1 TW 86N RN 30W ^E_W

GPS Coordinates (NAD83 datum only) decimal degrees:

42.284229 N. Latitude -94.289514 W. Longitude

Show exact location of well in section grid with a dot (+). sketch map of well location on property.

☒ Upland ☐ Hillside ☐ Valley ☐ Level Surface Elevation (if known)

Formation Log

From	To	Color	Hardness	Formation Description
0	55			CLAY
55	65			SAND/SOME CLAY
65	90			CLAY
90	97			SANDY GRAVEL MIX
97	235			BLUE CLAY/SOME BOULDERS
235	245			SAND
245	260			BLUE CLAY
260	310			SHALE
310	350			TAN LIMESTONE
350	365			SHALE LIMESTONE MIX
365	450			BROWN/GRAY LIMESTONE MIX
450	645			TAN LIMESTONE
645	660			TAN BROWN LIMESTONE PORUS MIX
660	710			GRAY BROWN LIMESTONE MIX

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

ADDITION DRILLER: DILLON GINGERICH #10177
*HOLEPLUG 35'-44' 40 CU/FT.

Well Use

- | | | |
|------------------------------------|---|-------------------------------------|
| ☐ Domestic | ☐ Heat Pump | ☐ Commerical |
| ☐ Livestock | ☐ Municipal | ☐ Monitoring |
| ☐ Test Well | ☒ Public Supply | ☐ Other |
| | ☐ Irrigation | |

Drill Method ☒ rotary ☐ auger ☐ cable other

Hole Size

<u>36</u> inch fro <u>0</u> ft to <u>40</u> ft	<u>14.75</u> inch from <u>381</u> ft to <u>710</u> ft
<u>22</u> inch fro <u>40</u> ft to <u>381</u> ft	inch from ft to ft

Casing Placement Method: HALLIBURTON ☐ Drive shoe ☒ Plu

Size (ID/OD)	Type/Wt	Depth top	Depth bottom	Amount (length)
24 OD	STEEL SCH40/.500	0	44	44
16 OD	STEEL .500	0	381	381

Perforated or Slotted Casing

☐ Perforated	☐ Slotted	from	ft to	ft
☐ Perforated	☐ Slotted	from	ft to	ft

Casing Grouted ☒ Grouted

Type	Depth top	Depth bottom	Amount (vol/wt)
NEAT CEMENT	0	35	96 CU/FT
NEAT CEMENT	0	381	684 CU/FT

Well Screen ☐ Screen

Diameter	Slot size	Depth top	Depth bottom	Length	Material

Bottom Capped	☐ with			
Packers	☐ kind	depth		ft
Seals	☐ kind	depth		
Gravel packed	☐ from	to		ft
	type	amount		

Well Developed ☒ Well DevelopedExplain WITH AIR☐ pumped ☒ airlifted ☐ bailed for hrs at GPMPump Installed ☐ Pump Installed Date

Type of Pump	Depth to Intake	ft
Pump diameter	Rated Capacity	GPM

Water information ☐ Sand/gravel ☒ Limestone ☐ SandstoneMain Water-Supply Zone 1 from 650 ft to 655 ft ☐ Seepage WellMain Water-Supply Zone 2 from 600 ft to 645 ftStatic water level 158 ft (below/above) GL ☐ tape ☐ airline ☒ E-line ☐ estimatePump water level 175 ft (below) GL; ☐ tape ☐ airline ☒ E-line ☐ estimateAt yield of 240 GPM ☐ Orifice ☒ Volumetric ☐ Estimate for 24 hoursMeasurement taken at 12:00:00 PM Date 7/11/2023Water quality test? ☐ Date

Tested by

Contractor Name GINGERICH WELL PUMP SERVICE, LLCAddress 1331 HWY 1, KALONA, IA 52247Driller KLINT GINGERICH Certification No. 2639