PWTS Permit No.

## **WELL RECORD**

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

· 经投资收益 海拔 医精神病病 (有多数)。

109 Trowbridge Hall lowa City, Ia. 52242-1319 PH (319) 335-1575 PWTS Well	No.: County Permit No.			
Site Identification	Drill Method ✓ rotary ☐ auger ☐ cable other			
Property Owner FONTANELLE, CITY OF ID: WELL #7	Hole Size			
Address 2482 DOVER AVE, FONTANELLE, JA 50846	$\underline{21}$ inch fro $\underline{0}$ ft to $\underline{173}$ ft inch from ft to t			
Tenant	14.75 inch fro 173 fl to 205 ft inch from ft to ft			
Well Depth: 205 ft Date Completed: 5/21/2021	Casing Placement Method: TRIMIE Drive shoe Plu			
Location County ADAIR COUNTY IOWA	Size (ID/OD) Type/ Wt Depth top Depth bottom Amount (length)			
mi. <sup>N</sup> andmi <sup>E</sup> of intersection of and	16 OD STEEL .375 0 173 173			
NE 1/4 of the <u>SE</u> 1/4 of the <u>SE</u> 1/4 of Sec <u>15</u> TW <u>75N</u> RN <u>33W</u> E				
GPS Coordinateds (NAD83 datum only) decimal degrees:	10.75 OD STEEL SCH40/.365 0 180 180			
N. Latitude W. Longitude				
Show exact location of well in section grid with a dot (+), sketch map of well location on property.  N	Perforated or Slotted Casing			
N N	Perforated Slotted from ft to ft			
	Perforated Slotted from ft to ft			
w	Casing Grouted			
	Type Depth top Depth bottom Amount (vol/wt)			
	NEAT CEMENT 0 173 200 CU/FT			
S	HOLE PLUG 165 170 3 CU/FT			
Upland Hillside 🗸 Valley 🔲 Level Surface Elevation (if known)	Well Screen Screen 145 100 CU/FT			
	Diameter Slot size Depth top Depth bottom Length Material			
Formation Log	10.75 0.03 180 205 25 \(\)\text{NILESS STE}			
From To Color Hardness Formation Description				
**SEE ATTACHED FORMATIONS**	Bottom Capped with STAINLESS STEEL			
	Packers kind depth ft			
	Seals kind depth Gravel packed from 170 to 205 ft			
Gravel packed From 170 to 205				
	type #30 RED FLINT amount 4300			
	Well Developed Well Developed			
Explain SURGE BLOCK				
	pumped airlifted bailed for 6 hrs at 100 GPM			
	Pump installed Pump Installed Date			
	Type of Pump SUB Depth to Intake 150			
	Pump diameter   Rated Capacity   OO GPM			
	Water information ✓ Sand/gravel ☐ Limestone ☐ Sandstone Main Water-Supply Zone 1 from 190 ft to 199 ft ☐ Seepage Well			
	Main Water-Supply Zone 2 from ft to ft			
	Static water level 12 ft (below/above) GL tape airline Filine estimate Pump water level 128 ft (below )GL; tape airline Filine estimate			
	At yield of 100 GPM Orifice Volumetric Estimate for 24 hours			
	Measurement taken at 6:00:00 PM Date 5/24/2021			
Remarks (including depth of lost drilling fluids, materials, or tools)	Water quality test?			
ADDITIONAL DRILLER: DILLON GINGERICH 10177	Tested by Hygienic Lab 5/24			
	Contractor Name GINGERICH WELL PUMP SERVICE, LLC Address 1331 HWY 1, KALONA, IA 52247			
Well Use Heat Pump Commerical	Driller KLINT GINGERICH Certification No. 2639			
Domestic Municipal Monitoring  ☐ Livestock ✓ Public Supply ☐ Other				
Test Well Irrigation				

## City of Fontanelle - Well #7

From	То	Color	Hardness	Description
0	17	Yellow	Soft	Clay
17	35	Yellow	Soft	Course Sand
35	140	Gray	Soft	Clay
140	143	Gray	Soft	Fine Blow Sand
143	165	Gray	Soft	Clay
165	171	Gray	Soft	Sand
171	173	Gray	Soft	Clay
. 173	174	Gray	Soft	Gravel
174	175	Gray	Soft	Clay
175	176	Gray	Soft	Gravel
176	180	Gray	Soft	Clay
180	183	Gray	Soft	Course Sand
183	187	Gray	Soft	Clay
187	190	Gray	Soft	Sandy Clay
190	199	Gray	Soft	Fine Sand
199	202	Gray	Soft	Shaley Sandstone
202	205	White	Firm	Limestone