WELL RECORD

89237

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 AINSWORTH, CITY OF ID:
Address 800 PARK STREET, AINSWORTH, IA 52201
Tenant
Well Depth: 1820 ft Date Completed: 5/9/2018

Location County WASHINGTON COUNTY IOWA

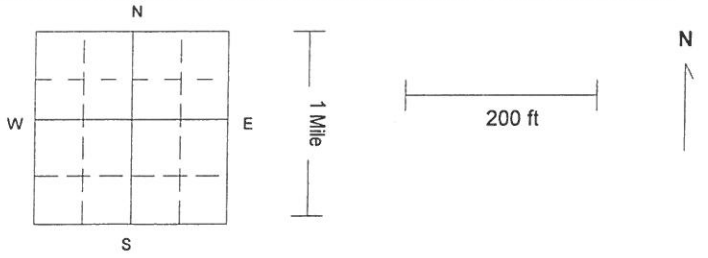
____mi. N/S and ____mi. E/W of intersection of _____ and _____

SW 1/4 of the NE 1/4 of the NW 1/4 of Sec 21 TW 75N RN 6W E/W

GPS Coordinateds (NAD83 datum only) decimal degrees:

41.293251 N. Latitude -91.561350 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
				SEE ATTACHED FORMATIONS

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

Well Use

☐ Domestic ☐ Livestock ☐ Test Well
☐ Heat Pump ☐ Municipal ☑ Public Supply ☐ Irrigation
☐ Commerical ☐ Monitoring ☐ Other _____

Drill method ☑ rotary ☐ auger ☐ cable other _____

Hole size

17.5 inch from 0 ft to 160 ft
12 inch from 160 ft to 1325 ft
8 inch from 1325 ft to 1820 ft
inch from ft to ft

Casing Placement method: HALLIBURTON ☑ Drive shoe ☐ Plu

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
8 ID	STEEL SCH40/.322	+2	1325	1327
12 ID	STEEL SCH40/.375	+2	160	162

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	160	150 CU/FT
NEAT CEMENT	0	1325	650 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 Developed

Explain WITH AIR

☐ pumped ☑ airlifted ☐ bailed for hrs at 250 GPM

Pump installed? ☑ Pump Installed Date 5/25/18

Type of Pump Submersible Depth to Intake 380 ft
Pump diameter 6 Rated Capacity GPM 95 GPM

Water information ☐ Sand/gravel ☑ Limestone ☐ Sandstone

Main water-supply zone 1 from 1325 ft to 1820 ft ☐ seepage well
Main water-supply zone 2 from ft to ft

Static water level 290 ft (below/above) GL ☐ tape ☑ airline ☐ E-line ☐ estimate
Pump water level 300 ft (below GL ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 200 GPM; ☑ Orifice ☐ Volumetric ☐ Estimate for 24 hours
Measurement taken at 5:30:00 PM Date 5/9/2018

Water quality test? ☑ Date

Tested by Chad McCleary

Contractor Name GINGERICH WELL PUMP SERVICE, LLC
Address 1331 HWY 1, KALONA, IA 52247

Driller DILLON GINGERICH Certification No. 1017

Send original form to **Iowa Department of Natural Resouces-Geological Survey**

Make photocopies for: **Well Contractor, and County Health Department**

AINSWORTH, CITY OF FORMATION LOG			
FROM	TO	COLOR	FORMATION DESCR.
0	45	BROWN	CLAY
45	50	BROWN	CLAY
50	60	BROWN	CLAY
60	65	BROWN	SAND
65	115	BROWN	CLAY
115	145	BLUE	CLAY
145	220	BROWN	LIMESTONE
220	555	GRAY/BROWN	SHALE
555	690	GRAY/BROWN	LIMESTONE
690	720	GRAY/GREEN	SHALE
920	960	BROWN/GRAY	LIMESTONE
960	1150	TAN	LIMESTONE
1150	1210	BROWN/TAN	LIMESTONE
1210	1240	GREEN	SHALE
1240	1265	WHITE	SANDSTONE
1265	1600	BROWN/TAN	LIMESTONE
1600	1685	WHITE/TAN	LIMESTONE
1685	1750	LT GRAY	LIMESTONE
1750	1785	TAN	LIMESTONE
1785	1815	WHITE	SANDSTONE
1815	1820	WHITE	LIMESTONE