12/12/2017 UNKNOWN

WELL RECORD

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. 8670101

Site Identification

Property Owner IOWA PREMIUM, ID: _____

Address 3337 L AVENUE, TAMA, IA 52339

Tenant _____

Well Depth: 1935 ft Date Completed: 12/1/2017

Location County TAMA COUNTY IOWA

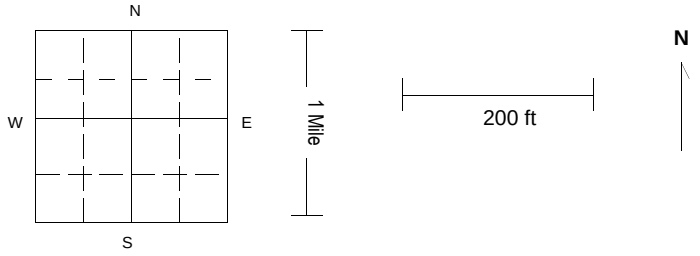
____mi. N/S and ____mi. E/W of intersection of _____ and _____

1/4 of the 1/4 of the 1/4 of Sec TW RN E/W

GPS Coordinateds (NAD83 datum only) decimal degrees:

_____ N. Latitude _____ 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 ☐ Heat Pump ☑ Commerical
☐ Livestock ☐ Municipal ☐ Monitoring
☑ Public Supply ☐ Other _____
☐ Test Well ☐ Irrigation _____

Drill method ☑ rotary ☐ auger ☐ cable other _____

Hole size

36	inch	from	0	ft	to	90	ft	20.88	inch	from	288 ft to 1425 ft
26	inch	from	88	ft	to	288	ft	14.75	inch	from	1425 ft to 1935 ft

Casing Placement method: RIMMIE/HALLIBURTOI ☐ Drive shoe ☑ Plu

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
30 OD	STEEL	0	90	90
22 OD	STEEL	0	288	288
16 OD	STEEL	0	1425	1425

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	88	225 CU/FT
NEAT CEMENT	0	288	300 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

☐ pumped ☑ airlifted ☐ bailed for 24 hrs at 3000 GPM

Pump installed? ☐ Pump Installed Date

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

Water information ☐ Sand/gravel ☑ Limestone ☐ Sandstone
Main water-supply zone 1 from 1450 ft to 1935 ft ☐ seepage well
Main water-supply zone 2 from ft to ft
Static water level 285 ft (below/above) GL ☑ tape ☐ airline ☐ E-line ☐ estimate
Pump water level 380 ft (below GL ☐ tape ☐ airline ☑ E-line ☐ estimate
At yield of 1305 GPM; ☐ Orifice ☑ Volumetric ☐ Estimate for 24 hours
Measurement taken at Date

Water quality test? ☐ Date
Tested by

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**

IOWA PREMIUM FORMATION LOG

FROM	TO	COLOR	FORMATION DESCR.
0	8	BROWN	CLAY
8	35	BROWN	SAND
35	85	BLUE	CLAY
85	285	GRAY	LIMESTONE, SHALE MIX
285	300	GRAY, TAN	LIMESTONE MIX
300	330	GRAY	LIMESTONE, SHALE MIX
330	650	BROWN, TAN	LIMESTONE
650	700	GRAY	SANDSTONE, LIMESTONE MIX
700	820	GRAY, WHITE	LIMESTONE
820	1000	GRAY	SHALE
1000	1250	BROWN	LIMESTONE
1250	1255	GRAY	SHALE
1255	1270	ROWN	LIMESTONE
1270	1275	GRAY	SHALE
1275	1327	BROWN	LIMESTONE
1327	1333	GRAY	SHALE
1333	1359	WHITE	SANDSTONE
1359	1440	LT GRAY, BROWN	LIMESTONE
1440	1550	PINK, TAN	LIMESTONE
1550	1560	WHITE	SANDSTONE
1560	1570	TAN	LIMESTONE
1570	1571	GREEN	SHALE
1571	1590	TAN	LIMESTONE
1590	1605	WHITE	SANDSTONE
1605	1700	WHITE, GRAY	LIMESTONE
1700	1790	TAN	LIMESTONE
1790	1820	LT TAN	LIMESTONE
1820	1830	WHITE	SANDSTONE
1830	1835	TAN	LIMESTONE
1835	1840	WHITE	SANDSTONE
1840	1845	TAN	LIMESTONE
1845	1895	WHITE	SANDSTONE
1895	1935	GRAY, BROWN	LIMESTONE