

Site Identification

Property Owner City of West Branch, IA Other ID Well #6
 Address 304 E. Main Street, PO Box 218
 Tenant City of West Branch, IA
 Well Depth 1579 ft Date completed 08 / 12 / 05

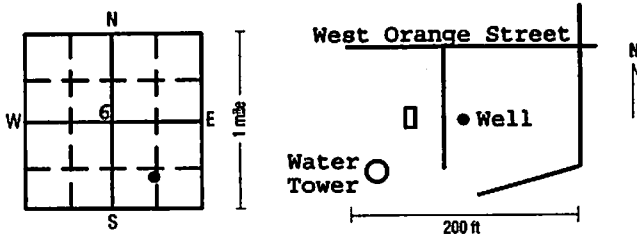
LocationCounty Cedar

1/64 mi. N and 1/16 mi. E of Intersection of Orange St and N Maple St
NE 1/4 of the SW 1/4 of the SE 1/4 of Sec 20 TWP 79N RNG 4 E W

GPS Coordinates (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
0	68	Red		Clay
68	103	Gray		Clay
103	443	White		Limestone
443	633	Gray		Shale
633	693			No Return
693	838	Brown		Limestone
838	918	Gray		Limestone
918	943	Gray/black/red		Limestone
943	993	White/gray		Limestone
993	1058	Gray		Lime/shale/sandstone
1058	1068	Brown		Limestone
1068	1178	Gray		Lime w/white sand
1178	1268	Gray		Limestone
1268	1278	White		Limestone
use additional sheets as needed				

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

- ☐ Domestic ☒ Heat pump ☐ Commercial
☐ Livestock ☒ Municipal ☐ Monitoring
☐ Test well ☐ Public supply ☐ Other _____
☐ Irrigation

Drill method
☒ rotary ☐ auger ☐ cable ☐ other _____
Hole size

25 inch from 0 ft to 116 ft
 19 inch from 116 ft to 623 ft
 14-3/4 inch from 623 ft to 1120 ft
 9-7/8 inch from 1120 ft to 1579 ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing
 Drive shoe (yes/no) ☒ Pitless adapter (yes/no) ☒

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
20"	0.375"	0	116'	116'
14"	0.500"	0	623'	623'
10-3/4"	0.365"	623'	1120'	497'

Perforated or slotted casing? (yes/no) ☒

Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no) ☒Placement method Pressure

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	0	116'	56 cyd combined
Neat Cement	0	1120'	

Well screen? (yes/no) ☒

Diameter	Slot size	Depth top	Depth bottom	Length	Material
	0.____				
	0.____				

Bottom capped (yes/no) with _____
 Seals / Packers (yes/no) kind _____ depth _____ ft
 Gravel packed (yes/no) from _____ ft to _____ ft
 type _____ amount _____

Well developed? (yes/no) ☒Explain Airlift pumping after drilling(pumped, airlifted, balled) for 4 hrs at 500+ GPM**Pump installed?** (yes/no) ☒Date 09 / 12 / 05Installer's name Rodney Ray

Type of pump Submersible Depth to intake 512' ft
 Pump diameter 7" Rated capacity 500 GPM

Water informationAquifer: ☐ sand / gravel ☐ limestone ☒ sandstoneMain water-supply zone from 1178 ft to 1579 ft ☐ seepage wellStatic water level 301 ft (below/above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimatePumping water level 310 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimateAt yield of 500 GPM; ☒ orifice ☐ volumetric ☐ estimate for 18 hoursMeasurements taken at 9 : 00 (AM/PM) Date 09 / 14 / 05**Water quality test?** (yes/no) ☒Date tested 08 / 04 / 05Tested by Layne-WesternContractor Layne-WesternAddress 5600 Gateway Drive, Suite B, Grimes, IADriller Terry Heiliger/Stam Alwardt Certification no. 7320

Well Depth _____ ft Date completed ____/____/____

200 ft

☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) _____

use additional sheets as needed

inch from ft to ft

Pump diameter _____ **Rated capacity** _____ **GPM**

Driller **Terry Heiliger**/Stan Alwardt Certification no. 7320