079981

WELL RECORD

PWTS Permit No. 2014-0540W

PWTS Well No. 7470099

County Permit No. _____

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

Site identification

Property Owner City of West Bend Other ID Le

Address 3015 Broadway Ave

Tenant West Bend, IA 50597

Well Depth 610 ft Date completed 2/13/15

Location

County Palo Alto

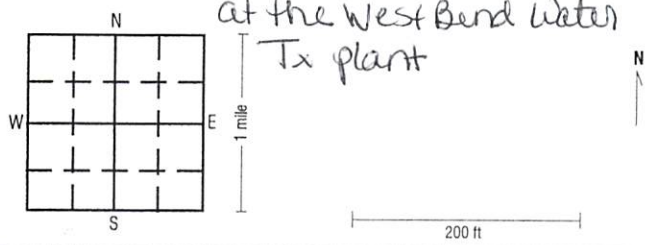
_____ mi. N/S and _____ mi. E/W of intersection of 4th Ave W and 2nd St SW

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ 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.



at the West Bend Water Tx plant

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

Formation log

From	To	Color	Hardness	Formation description
				See Attached

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

15¼ inch from 0 ft to 226 ft
9⅞ inch from 226 ft to 536 ft

hole size continued

7⅞ inch from 536 ft to 610 ft
_____ inch from _____ ft to _____ 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)
10" OD		+2	226	

Perforated or slotted casing? (yes / no)

Perforated / slotted from 500 ft to 536 ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no) Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	3'	226'	7 yards

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 _____

(pumped, airlifted, bailed) for 32 hrs at 200 GPM

Pump installed? (yes / no) Date 4/29/15

Installer's name Cahoy Pump Service

Type of pump Grundfos Depth to intake 216 ft

Pump diameter 6" Rated capacity 150 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☒ sandstone

Main water-supply zone from 226 ft to 508 ft ☐ seepage well

Static water level 44.3 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 210 ft below GL; ☐ tape ☒ airline ☐ E-line ☐ estimate

At yield of 100 GPM; ☒ orifice ☐ volumetric ☐ estimate for 2 hours

Measurements taken at 10 : 30 (AM / PM) Date 4/29/15

Water quality test? (yes / no) Date tested 4/01/15

Tested by State Hygienic Lab

Contractor Cahoy Pump Service, Inc.

Address 24568 150th St. Sumner, IA 50674

Driller Dennis Auld Certification no. 1278

RECEIVED
MAY 06 2015
By

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

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

Cahoy

Well And Pump Service
Municipal • Industrial • Environmental

24568 150th Street • Suite 200
Sumner, Iowa 50674
(563) 578-1130
(563) 578-1135 *Fax*

200 Grant Street
P.O. Box 72
Marne, Iowa 51552
(712) 781-2030
(712) 781-2032 *Fax*

DRILLER'S LOG

CLIENT: West Bend, IA

WELL: 6

DATE STARTED: 01/12/15

DATE COMPLETED: 02/13/15

DRILLER/LIC.#: Dennis Auld #1278

ROD#	LENGTH	DEPTH	FORMATION DESCRIPTION	DEPTH STARTED	DEPTH ENDED
1	16'2"	12'2"	Black top soil	0	5
2	21'4"	33.5	Brown till	5	11
3	20	53.5	Gray till	11	27
4	20	73.5	Till	27	28
5	20	93.5	Brown sand	28	33
6	20	113.5	Gray till	33	53
7	20	133.5	Fine gray sand	53	67
8	20	153.5	Cobbles gray till	67	71
9	20	173.5	Brown clay	71	91
10	20	193.5	Fine sand	91	95
11	20	213.5	Gray clay with fine sand	95	100
			Brown clay, redding with depth	100	106
			Gray clay	106	107
			White sandstone	107	126
			White sandstone	126	140
			Shale rust and white in layers	140	185
			Dolomite chips	185	203
			Limestone, soft	203	207
			Gray and red shale	207	222
			Limestone	222	225
			Brown and light gray stone	225	290
			Gray and blue stone	290	333
			Light gray stone	333	353
			Blue shale , soft	353	354

			Gray and brown stone	354	373
			Blue gray stone	373	396
			Dark gray and light gray stone	396	406
			Light gray and light brown stone	406	416
			Light to dark brown stone	416	446
			Dark to light brown stone	446	466
			Dark brown tan stone	466	506
			Blue shale , soft	506	529
			Brown rock	529	535
			Dark to light gray stone	535	610

Cahoy
Well And Pump Service
Municipal, Industrial, Environmental
24568 150th St. Ste. 200, Sumner, IA 50674
Tel: 563-578-1130, Fax: 563-578-1135

OWNER: West Bend, IA
WELL #:6

