

WELL RECORD

63796

PWTS Permit No. 2006-212W

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

PWTS Well No. 8503039-WL 27

County Permit No.

Site identification

Property Owner City of Ames, Iowa Other ID Well #26
 Address 515 Clark Ave., Ames, Iowa 50010
 Tenant N/A
 Well Depth 90 ft Date completed 12/19/06

Location

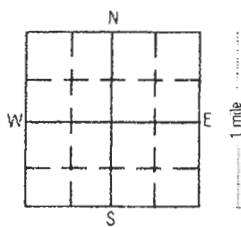
County Story

mi. ^N/_S and mi. ^E/_W of intersection of _____ and _____
NW 1/4 of the NW 1/4 of the SW 1/4 of Sec. 13 TWP 83 RANG 24 E
 (W)

GPS Coordinates (NAD83 datum only) decimal degrees:

42.000000 N. Latitude 93.598889 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) 879.75

Formation log

From	To	Color	Hardness	Formation description
0	5	Black		Fill
5	23	Gray		Fine sand w/gravel
23	25	Gray		Sand, gravel w/cobbles
25	92	Gray		Sand, gravel w/cobbles

use additional sheets as needed

Drill method

☒ rotary ☐ auger ☐ cable ☐ other

Hole size

hole size continued

4.2 inch from 0 ft to 92 ft _____ inch from _____ ft to _____ ft
 _____ inch from _____ ft to _____ 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)
30" O.D.	157.5 lbs/ft	+7	60	67

Perforated or slotted casing? (yes/no)

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

Casing grouted? (yes/no)

Placement method

Type	Depth top	Depth bottom	Amount (vol/wt)
Cement Grout	0	8	38 cu. ft.
Bentonite Seal	8	22	6,450 lbs.

Well screen? (yes/no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
30"	0.100	60	90	30	304 Stainless Steel

Bottom capped (yes/no) with Stainless Steel Plate

Seals / Packers (yes/no) kind _____ depth _____ ft

Gravel packed (yes/no) from 22 ft to 90 fttype Red Flint #90 amount 68,000 lbs.

Well developed? (yes/no)

Explain Artificial well for 4 1/2 hours @ 500 GPM; @ 1364 GPM
 (pumped/airlifted/bailed) for See above hrs at See above GPM

Pump installed? (yes/no)

Date 4/16/07Installer's name Cahoy Pump ServiceType of pump Lineshaft Turbine Depth to intake 60 ftPump diameter 12" Rated capacity 840 GPM

Water information

Aquifer: ☒ sand/gravel ☐ limestone ☐ sandstoneMain water-supply zone from 60 ft to 90 ft ☐ seepage wellStatic water level 13 ft (below/above) GL: ☐ tape ☒ airline ☐ E-line ☐ estimatePumping water level 26 ft below GL: ☐ tape ☒ airline ☐ E-line ☐ estimateAt yield of 1364 GPM: ☒ orifice ☐ volumetric ☐ estimate for 7 hoursMeasurements taken at 2:00 (AM/PM) Date 12/28/06

Water quality test? (yes/no)

Date tested 12/28/06Tested by Fox EngineeringContractor Cahoy Pump ServiceAddress 411 E. Main St., Fredericksburg, Iowa 50630Driller Steve Cahoy Certification no. 1786

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

Well use

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