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

WELL RECORD 44970

Permit No. IDNR 97-341W

Site identification

Property Owner Fox Creek Benefitted Water District Well Number 2

Address

Tenant

Well Depth 41 ft Date Completed 10 / 21 / 97

Drill method

☐ rotary ☒ auger ☐ cable other

Hole size

30 inch from 0 ft to 42 ft

inch from ft to ft

hole size continued

inch from ft to ft

inch from ft to ft

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

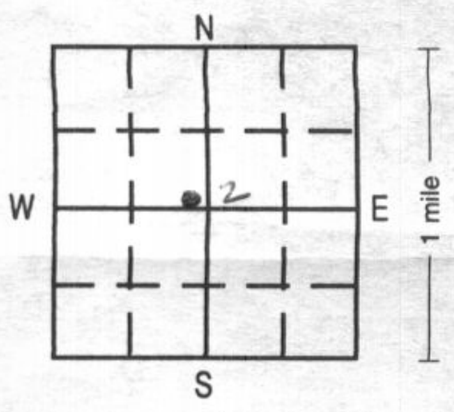
Location

County Dallas

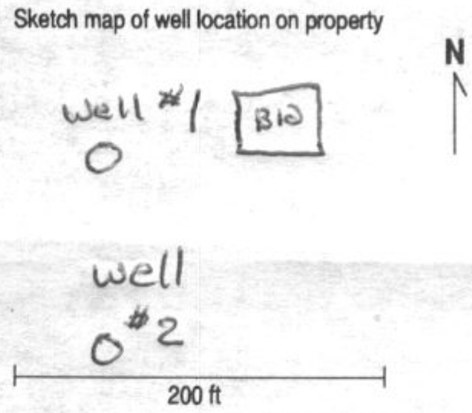
1/16 mi. (N/S) and 1/2 mi. (E/W) of intersection of Hwy 90 and R22

SE 1/4 of the SE 1/4 of the NE 1/4 of Sec 29 TWP 78 RNG 26 (E/W)

Show exact location of well in section grid with a dot (●).



Sketch map of well location on property



☒ upland ☐ hillside ☐ valley Elevation (if known) 858.5

Formation log

From	To	Color	Hardness	Formation description
0	6	BrN	soft	Till + clay
6	15	BrN yellow	soft	clay
15	29	BrN		sand & gravel
29	32	Grey		gravel & cobbles
32	41	BrN Gray		sand & gravel

use additional sheets as needed

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

Casing

Drive shoe (~~yes~~ / no) Pitless adaptor (yes / ~~no~~)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12	ASTM A53B 48#/ft	5' Below	31'	31

Perforated or slotted casing? (~~yes~~ / no)

Perforated / slotted from ft to ft

Perforated / slotted from ft to ft

Casing grouted? (yes / ~~no~~)

Type	Depth Top	Depth Bottom	Amount
Bentonite chips & grout	4' Below grade	25'	40 cf.

Well screen? (yes / ~~no~~)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12"	.05	31	41	10'	S.S.

Bottom capped (yes / ~~no~~) with SS plate

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

Gravel packed (yes / ~~no~~) from 41' ft to 25' ft

type #2 Northern amount 7 tons

Well developed? (yes / ~~no~~)

Explain Surge blocked, Air lifted, & pumped

Pump installed? (yes / ~~no~~)

Date 10 / 29 / 97

Installer's name Thorpe Water Development

Type of pump Grundfos Depth to intake 30' ft

Pump diameter 6" Rated capacity 180 GPM

Water information

Aquifer: ☒ sand/gravel ☐ limestone ☐ sandstone

Main water-supply zone from 28 ft to 40 ft

Final water level (static water level) 25 ft (~~below~~ / ~~above~~) GL.

Pumping water level 31 ft below GL; ☒ tape ☐ airline ☐ E-line

At yield of 240 GPM; ☐ orifice ☒ volumetric ☐ estimate Date 10/14/97

Water quality test? (yes / ~~no~~)

Date tested / /

Tested by Keystone

Test results Attached

Well use

☐ Domestic ☐ Livestock ☐ Test Well
☒ Municipal ☒ Public Supply ☐ Irrigation
☐ Industrial ☐ Monitoring ☐ Other (explain)

Contractor Thorpe Water Development Co.

Address P.O. Box 555

Driller Long Fellow, Clearfield Randy Certification no. 40086

white copy - **Iowa DNR, Geological Survey Bureau** blue copy - **Well Contractor** pink copy - **Customer** yellow copy - **County Health Officer**