

OCT 20 1995
GEOL. SURVEY

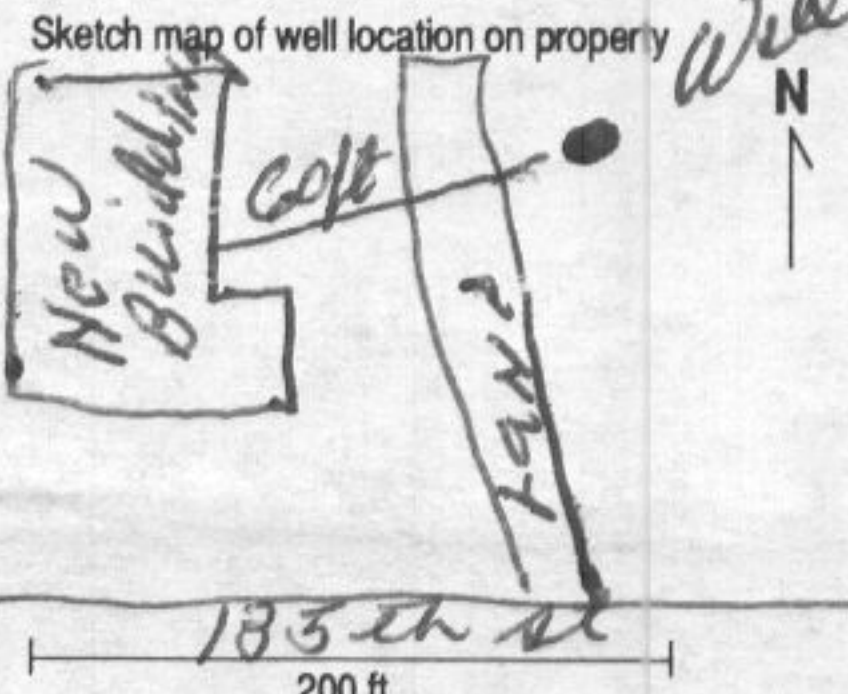
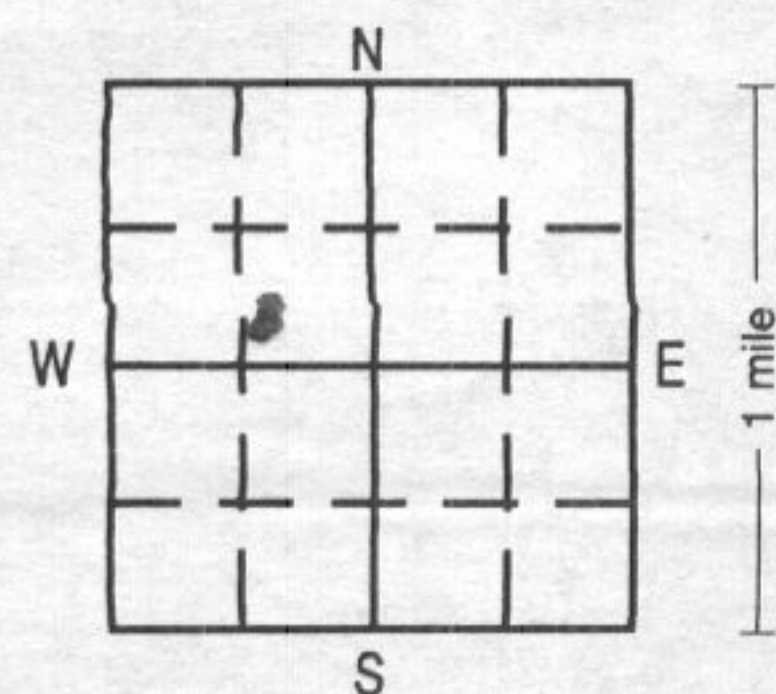
Site identification

Property Owner Calvin Nature Area Well Number 1
Address 18479-135th Iowa Falls Ia
Tenant _____
Well Depth 162 ft Date Completed 10 / 10 / 95

Location

County Hawley
1/2 mi. N and 2 1/4 mi. E of intersection of 941 and 359
SW 1/4 of the SE 1/4 of the NW 1/4 of Sec 21 TWP 89 RNG 22 E W

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



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

Formation log

From	To	Color	Hardness	Formation description
1	22	Br		Shale
22	41	Gray		Shale
41	45	orange		Shale
45	92	white	med	Limestone
92	125	Brown	med	Sandstone
125	145	white	med	Limestone
145	162	Brown	soft	Sandstone

use additional sheets as needed

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

Well use

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

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

10 inch from 0 ft to 60 ft
5 1/2 inch from 60 ft to 162 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.

Casing

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

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
6 PVC	200 lb	1 1/2	60	61 1/2

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	5	60	950 lbs

Well screen? (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

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 Air Compressor

Pump installed? (yes/no)

Date 10 / 25 / 95

Installer's name Bill Beemer Well Co
Type of pump Sub Depth to intake 80 ft
Pump diameter 3 3/4 Rated capacity 20 GPM

Water information

Aquifer: ☐ sand/gravel ☐ limestone ☒ sandstone

Main water-supply zone from 145 ft to 162 ft
Final water level (static water level) 30 ft (below/above) GL.
Pumping water level 88 ft below GL; ☐ tape ☐ airline ☒ E-line
At yield of 25 GPM; ☐ orifice ☐ volumetric ☒ estimate Date 10-10-95

Water quality test? (yes/no) future Date tested _____ / _____ / _____

Tested by _____
Test results _____

Contractor Bill Beemer Well Co
Address 2215 Fenton Ave Wabasha City Ia
Driller Math Estlun Certification no. 40035