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

57222 ~~57223~~ **WELL RECORD** (VACANT SITE) Permit No. STATE #

Site identification

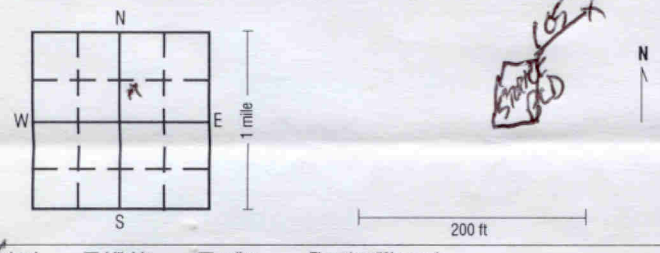
Property Owner SPARBOE FARMS Well Number 01
Address 3170 BUCHANAN AVE CABLE GROVE IA
Tenant SAME
Well Depth 295 ft Date completed 12 / 16 / 02

Location

County WEBSTER

2/3 mi (N/S) and 1/2 mi (E/W) of intersection of C56 and BUCHANAN
NW 1/4 of the SW 1/4 of the NE 1/4 of Sec 20 TWP 90 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) _____

Formation log

From	To	Color	Hardness	Formation description
0	2	BLK	SOFT	SOIL
2	18	BRN	"	SANDY CLAY
18	37	GRY	"	"
37	43	MULCT	"	SAND
43	121	GRY	"	SANDY CLAY
121	123	BRN	"	"
123	149	"	HARD	LIMESTONE
149	295	BRN GRY	"	"

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____ (explain)

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

12 1/4 inch from 0 ft to 137 ft
7 3/4 inch from 137 ft to 295 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 adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
8"	SDR 21	+2	137	139
6"	SDR 21	135	295	160

Perforated or slotted casing? (yes / no)

Perforated / slotted from 250 ft to 290 ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method TREMIE BOTTOM UP

Type	Depth Top	Depth bottom	Amount (vol/wt)
BENTONITE	0	137	594 GAL

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 WITH PUMP
(pumped, airlifted, bailed) for 8 hrs at 118 GPM.

Pump installed? (yes / no)

Date ____ / ____ / ____
Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone
Main water-supply zone from 260 ft to 295 ft ☐ seepage well
Static water level 58 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 214 ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 118 GPM; ☐ orifice ☒ volumetric ☐ estimate
Measurements taken at ____ : ____ (AM / PM) Date 12 / 20 / 02

Water quality test? (yes / no)

Date tested 12 / 23 / 02
Tested by LBI LAB

Contractor Mort's Well Co.
Address 1451B Gull Ave., P.O. Box 715 Latimer, IA 50452
Driller _____ Phone 515-579-6420 Certification no. 4051

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