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

WELL RECORD 54648

Permit No. _____

Site identification

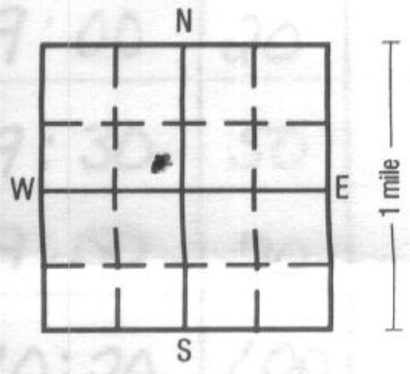
Property Owner Town of Somers Well Number 2
Address Somers Ia 50586
Tenant —
Well Depth 385 ft Date completed 9 / 7 / 01

Location

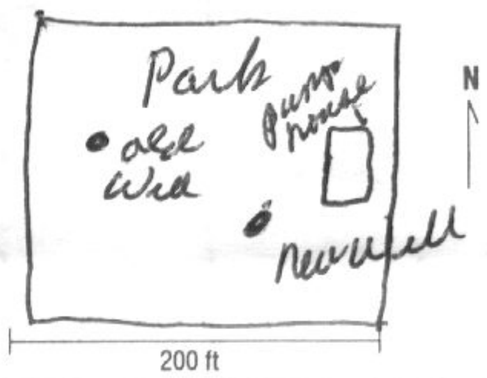
County Calhoun

1 mi (N) (S) and 1/2 mi (E) (W) of intersection of 20 and P21
SE 1/4 of the SE 1/4 of the NW 1/4 of Sec 2 TWP ____ RNG ____ 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	3			Top Soil
3	18	yel		yellow clay
18	25	Grey		Clay
25	35	yel		Sand
35	180	Grey		Clay
180	275	Blue		Shale
275	280	white		Shale
280	322	white	med	Limestone
322	324	Grey		Shale
324	326	Grey		shale
326	330	white		shale
330	373	Brown		Sandstone
380	385			Gravel

use additional sheets as needed

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

Well use

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

Drill method

(rotary) ☐ auger ☐ cable other _____

Hole size

12 inch from 0 ft to 320 ft
6 inch from 320 ft to 385 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)
6 5/8 pvc	250lb	+3	320	323 ft
4 1/2 pvc	200lb	205	285	80 ft

Perforated or slotted casing? (yes / no)

Perforated / slotted from 165 ft to 185 ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no) Placement method Ben Seal

Type	Depth Top	Depth bottom	Amount (vol/wt)
Benseal	60	320	320 Gal
Holeplug	0	60	1500 lbs

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 Pump 8 hr Dual 2 hr shutoff
(pumped) airlifted, bailed) for 850 hrs at 75 GPM.

Pump installed? (yes / no) Date 9 / 25 / 01

Installer's name Bill Beaver Well Co
Type of pump Sub Depth to intake 160 ft
Pump diameter 5 5/8 Rated capacity 50 to 75 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone (sandstone)
Main water-supply zone from 380 ft to 385 ft ☐ seepage well
Static water level 106 ft (below / above) GL; (tape) ☐ airline ☐ E-line ☐ estimate
Pumping water level 109 ft below GL; (tape) ☐ airline ☐ E-line ☐ estimate
At yield of 75 GPM; (orifice) ☐ volumetric ☐ estimate
Measurements taken at all : Day (AM / PM) Date 9 / 18 / 01

Water quality test? (yes / no)

Date tested ____ / ____ / ____
Tested by _____

Contractor Bill Beaver Well Co
Address 2215 Fenton Ave Webster City Ia
Driller Matt Eastlund Certification no. 40055

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

297971-DQ