

WELL RECORD

Permit No. _____

Iowa Department of Natural Resources Geological Survey Bureau
100 Woodridge Hall, Iowa City, IA 52242-1318 PH (319) 335-1575

55070 9.5

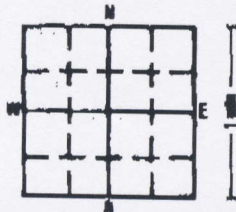
Site Identification

Property Owner City of Bancroft Well Number 4
 Address Bancroft, Ia
 Tenant _____
 Well Depth 545 ft Date completed 10/25/04

Location

County Kassouth

rd. N and rd. E of intersection of _____ and _____
 1/4 of the 1/4 of the 1/4 of Sec. _____ TWP _____ RNS _____
 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	5'	Black		Silt
5'	12'	Yellow		Clay
12'	107'	Gray		"
107'	110'	White		Shale
110'	115'	"		Sandstone
115'	123'	Gray		Shale
123'	127'	White		Sandstone
127'	132'	Gray		Shale
132'	137'	White		Sandstone
137'	140'	"		Limestone
140'	149'	Gray		Shale
149'	243'	Brown		Limestone
243'	278'	Tan		"
278'	283'	Gray		"
283'	307'	Tan		"
307'	335'	Gray		"
335'	337'	Tan		"

see 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 _____

Drill method

☒ rotary ☐ auger ☐ cable ☐ other _____

Hole size

20 inch from 0 ft to 243'
 8 inch from 243 ft to 545'

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

Casing size (in / mm) Pitch adapter (in / mm)

Size (OD/ID)	Type / Val	Depth top	Depth bottom	Amount (length)
12" TO	Steel	6'	243'	

Perforated or slotted casing? (yes/no)

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no)

Placement method Pressure

Type	Depth Top	Depth bottom	Amount (volume)
Cement	190'	242'	3,500 lbs
Grout	10'	190'	5,800 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)

Used _____ depth _____ ft

Gravel packed? (yes/no)

from _____ ft to _____ ft

Type _____ material _____

Well developed? (yes/no)

Develop _____

(pumped, drilled, bailed) for 8 hrs at 700 GPM.

Pump installed? (yes/no)

Date _____

Installer's name Bresnahan WellType of pump Sub Depth to intake 170 ftPump diameter 6" Rated capacity 385 GPM

Water information

Aquifer: ☐ sand / gravel ☒ Sandstone ☐ SandstoneMain water supply zone from 243 ft to 545 ft ☐ seepage wellStatic water level 16 ft (below / above) GL: ☒ tape ☐ drone ☐ E-tape ☐ estimatePumping water level 138 ft below GL: ☒ tape ☐ drone ☐ E-tape ☐ estimateAs yield at 600 GPM: ☐ surface ☐ subsurface ☐ estimateMeasurements taken at 4:15 (AM) (PM) Date 10/04/04

Water quality test? (yes/no)

Date tested 10/25/04Tested by Thangold Storm Lake, IaContractor Bresnahan Well DrillingAddress 5293 Hwy 175 Battle CreekDriller Ron Bresnahan Certification no. 1626

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Address Bancroft, Ia

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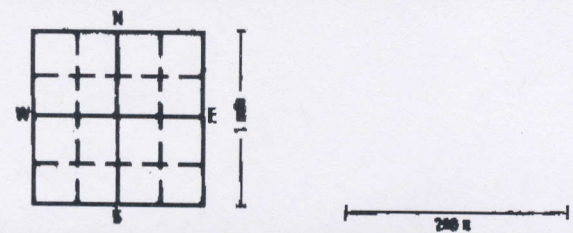
Well Depth 545 ft Date completed 10/25/04

Location County _____

_____ mi. N and _____ mi. E of intersection of _____ and _____

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of the _____ Sec. _____ TWP. _____ RMB _____

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



☐ upland ☐ hillside ☐ valley Elevation (ft/meters) _____

Formation log

From	To	Color	Hardness	Formation description
337'	340'	White		Limestone
340'	341'	Light green		"
341'	372'	Tan		"
372'	398'	White		"
398'	500'	Tan		"
500'	545'	Gray		"

See additional sheets as needed

Remarks (including depth of test drilling fluids, waterfalls, or leaks)

Well use

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

(signature)

Drill method ☒ rotary ☐ auger ☐ cable ☐ other _____

Hole size

_____ inch from _____ ft to _____ 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

Size (OD)	Type / Wall	Drive shoe (yes/no)		Pilot adapter (yes/no)		Annular (length)
		Depth	Top	Depth	Bottom	

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 (yd/ft)

Well screen? (yes/no)

Diameter	Slot size	Depth	Top	Depth	Bottom	Length	Material

Bottom capped (yes/no) with _____

Seals / Packers (yes/no) Used _____ Depth _____ ft

Gravel packed (yes/no) from _____ ft to _____ ft

Type _____ Amount _____

Well developed? (yes/no)

Explain _____

(pumped, drilled, bailed) for _____ hrs at _____ GPM.

Pump installed? (yes/no) Date ____/____/____

Installer's name _____

Type of pump _____ Depth to below _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☐ sandstone

Main water supply zone from _____ ft to _____ ft ☐ seepage well

Static water level _____ ft (below / above) GL: ☐ tape ☐ stilling ☐ E-tube ☐ estimate

Pumping water level _____ ft below GL: ☐ tape ☐ stilling ☐ E-tube ☐ estimate

At yield of _____ GPM: ☐ wellbore ☐ volumetric ☐ estimate

Measurements taken at _____ (AM / PM) Date ____/____/____

Water quality test? (yes/no) Date tested ____/____/____

Tested by _____

Contractor Bressan Well Drilling

Address 5293 Hwy 175 Battle Creek

Driller Ron Bressan Certification no. 1626

BRESNAHAN WELL DRILLING & REPAIR

HIGHWAY 175

BATTLE CREEK, IOWA 51006

365-4779

City of Bancroft
10/25/04

