52611

WELL RECORD WELL #2

Permit No. 41-142

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

Site identification

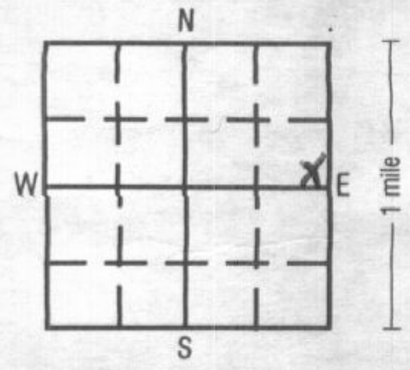
Property Owner NEW HORIZONS COOP Well Number 02
Address PO 155 BRITT IA 50423
Tenant SAME
Well Depth 280 ft Date completed 8 / 11 / 00

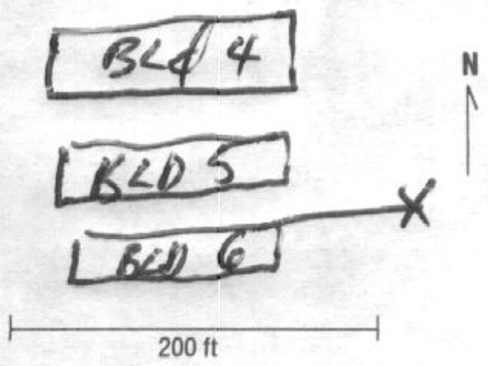
Location

County HANCOCK

1/2 mi. (N) (S) and ____ mi. (E) (W) of intersection of 200th and IOWA
SE 1/4 of the SE 1/4 of the NE 1/4 of Sec 17 TWP 95 RNG 25 (E) (W)

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





(X) upland ☐ hillside ☐ valley Elevation (if known) ____

Formation log

From	To	Color	Hardness	Formation description
0	8	BRN	SOFT	SANDY CLAY
8	10	GRY	"	"
10	12	MULT	"	SAND
12	25	GRY	"	SANDY CLAY
25	30	MULT	"	SAND
30	94	GRY	"	SANDY CLAY
94	140	BRN	"	"
140	165	"	SOFT MED	CLAY & LIMESTONE
165	205			DRILL BLIND
205	207	BRN	HARD	LIMESTONE
207	213	GRY	"	"
213	228	"	SOFT MED	CLAY & SHALE
228	232	BRN	HARD	LIMESTONE
232	250	BRN GRY	"	"
250	257	MED BRN	"	"
257	261	LT MED BRN	"	"
261	274	LT BRN	MED	SANDSTONE
274	280	GRY BRN	HARD	LIMESTONE

Use additional sheets as needed.

Remarks (including depth of lost drilling fluids, materials, or tools)
LOST CIRCULATION AT 165'

Well use

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

Drill method

(X) rotary ☐ auger ☐ cable other ____

Hole size

9 7/8 inch from 0 ft to 205 ft
6 inch from 205 ft to 280 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"	THC STEEL	+2	205	207
4 1/2"	SDR 26	192	280	88

Perforated or slotted casing? (yes) / no

Perforated / slotted from 260 ft to 280 ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes) / no Placement method TREMIE BOTTOM UP

Type	Depth Top	Depth bottom	Amount (vol/wt)
BENSEAL	0	205	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 DRILL
(pumped, (airlifted), bailed) for 2 hrs at 100 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 (X) limestone (X) sandstone
Main water-supply zone from 261 ft to 276 ft ☐ seepage well
Static water level 40 ft (below / above) GL; (X) tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 140 ft below GL; ☐ tape (X) airline ☐ E-line ☐ estimate
At yield of 100 GPM; ☐ orifice ☐ volumetric (X) estimate
Measurements taken at ____ : ____ (AM / PM) Date ____ / ____ / ____

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

Tested by ____

Contractor Mort's Well Co.
Address 1451B Gull Ave., P.O. Box 715 Latimer, IA 50452
Driller John C Phone 515-579-6420 Certification no. 40521

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

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