

**Site identification**  
 Property Owner Ronald Brinkerhoff Well Number 1  
 Address 33124 Hwy 12 Sioux City, Ia 51109  
 Tenant \_\_\_\_\_  
 Well Depth 174 ft Date completed 4/2/99

**Location** County Plymouth  
2/3 mi. <sup>N</sup>/<sub>S</sub> and — mi. <sup>E</sup>/<sub>W</sub> of intersection of Hwy 12 and Talbot Rd  
SW 1/4 of the NE 1/4 of the NW 1/4 of Sec 35 TWP 90 RNG 48 <sup>E</sup>/<sub>W</sub>  
Hancock Twp  
 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	Black		top soil
2	12	Dark		clay
12	30	Blue + Yellow		clay
30	55	Blue		sandy clay
55	73	Blue		medium sand w/ clay
73	95	Grey		clay
95	115	Grey		shale w/ sandstone streaks
115	149	Grey	hard	shale w/ pyrite lenses
149	177	white		sandstone

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**  
9 inch from 0 ft to 177 ft hole size continued \_\_\_\_\_ 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** Drive shoe (yes  no) Pitless adapter (yes  no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
5"	200 PSI PVC	+1	162'-8"	163'-8"
5"	200 PSI PVC	172'-8"	174	1'-4"

**Perforated or slotted casing?** (yes/no)  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Casing grouted?** (yes  no) Placement method tremie pipe

Type	Depth Top	Depth bottom	Amount (vol/wt)
bentonite	0	120	10 bags

**Well screen?** (yes  no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
5"	0.020	162'-8"	172'-8"	10'	Everflo PVC
0.---	---	---	---	---	---

Bottom capped (yes  no) with PVC cap  
 Seals / Packers (yes  no) kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes  no) from 145 ft to 175 ft  
 type #0 muscatine amount 1000 lbs.

**Well developed?** (yes  no)  
 Explain bailed + Airlift Air/lift 65 GPM w/ airline @ 55'  
 (pumped, airlifted, bailed) for 1 1/2 hrs at 32 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 150 ft to 177 ft  seepage well  
 Static water level 29 ft (below / above) GL;  tape  airline  E-line  estimate  
 Pumping water level 29 ft below GL;  tape  airline  E-line  estimate  
 At yield of 32 GPM;  orifice  volumetric  estimate  
 Measurements taken at 10:00 (AM/PM) Date 4/2/99

**Water quality test?** (yes  no) Date tested \_\_\_\_/\_\_\_\_/\_\_\_\_  
 Tested by \_\_\_\_\_

Contractor Alton Well + Concrete Co Inc  
 Address P.O. Box F Alton, Ia 50003 40074  
 Driller Larry Meriman Certification no. 40075