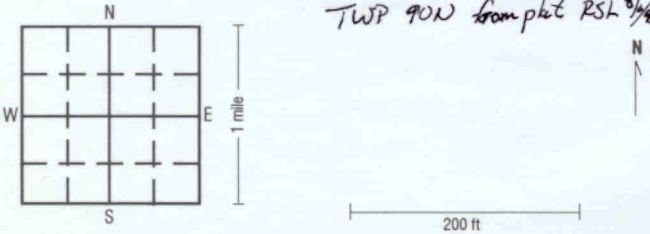


Site identification
 Property Owner Greg Kautman Well Number _____
 Address 2172 Kings Row, Dubuque
 Tenant _____
 Well Depth 110 ft Date completed 6.3.99

Location County Dubuque
 _____ mi. ^N and _____ mi. ^E of intersection of _____ and _____
 _____ 1/4 of the _____ 1/4 of the SE 1/4 of Sec 10 TWP 90N RNG 2E
 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'			Sandy Topsoil
2'	23'		Fine	Sand
23'	48'		Medium	Gravel
48'	60'		Big	Gravel
60'	81'			Limerock
81'	90'			Limerock & Sand
90'	97'	Brown		Limerock
97'	110'	Brown-Gray		Limerock
		Red		Shale

use additional sheets as needed

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

Well use

<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Public supply	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Other _____

(explain)

Drill method rotary auger cable other _____
Hole size
12 1/4 inch from 0 ft to 8 ft hole size continued 6 inch from 95 1/2 ft to 110 ft
9 7/8 inch from 8 ft to 95 1/2 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)
6.9	PVC	+15'	95 1/2'	97'

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 (vol/wt)
Benzal	0'	95 1/2'	10 sacks
Hooplex			11 sacks

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 Air Lift, 15GPM at 72', 20GPM at 92'
 (pumped, airlifted, bailed) for _____ hrs at _____ 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 _____ ft to _____ ft seepage well
 Static water level 38 ft (below/above) GL; tape airline E-line estimate
 Pumping water level 72 ft below GL; tape airline E-line estimate
 At yield of 15 GPM; orifice volumetric estimate
 Measurements taken at _____: _____ (AM / PM) Date ____/____/____

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

Contractor Shawver Well Company
 Address Federicksburg, IA 50630
 Driller Dave Halweg Certification no. 40162