

Site Identification					Drill method <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other _____				
Property Owner <u>City of North Liberty</u> Well Number <u>6</u>					Hole size				
Address <u>5 E Cherry St., North Liberty Iowa</u>					hole size continued				
Tenant _____					<u>30</u> inch from <u>0</u> ft to <u>145</u> ft <u>14 3/4</u> inch from <u>1156</u> ft to <u>1820</u> Ft.				
Well Depth <u>1820</u> ft Date completed <u>1/07/02</u>					<u>23</u> inch from <u>145</u> ft to <u>1156</u> ft _____ inch from _____ ft to _____ ft				
Record all depth measurements from ground level (GL). Use (+) for above GL measurements.									
Location County <u>Johnson</u>					Casing Drive shoe (yes/no) _____ Pitless adapter (yes/no) _____				
<u>1/8</u> mi. (N. S) and <u>1/4</u> mi. (E. W) of intersection of <u>Cherry</u> and <u>Penn</u>					Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length)				
<u>1/4</u> of the SW <u>1/4</u> of the NW <u>1/4</u> of Sec <u>7</u> TWP <u>80</u> R <u>6W</u> E W					<u>24"</u> steel/94.62 0 145' 145'				
Show exact location of well in section grid with a dot (●). Sketch map of well location on property.					<u>18"</u> steel/93.45 +15 1156' 1157.5				
					<input type="checkbox"/> upland <input type="checkbox"/> hillside <input type="checkbox"/> valley Elevation (if known) _____				
Formation log					Perforated or slotted casing? (yes/no)				
From To Color Hardness Formation description					Perforated / slotted from _____ ft to _____ ft				
See Attached Sheet					Perforated / slotted from _____ ft to _____ ft				
					Casing grouted? ((yes/no) Placement method <u>Pressure Grouted</u>				
					Type Depth Top Depth bottom Amount (vol/wt)				
					<u>Portland Cement</u> 0 1156' 1100 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 <u>air drilling bottom section of well</u>				
					(pumped/airlifted) bailed) for <u>8</u> hrs at <u>1000</u> GPM.				
					Pump installed? (yes/no) Date <u>5/08/02</u>				
					Installer's name <u>Northway Well and Pump Co.</u>				
					Type of pump <u>Guides Submersible</u> Depth to intake <u>470'</u> ft				
					Pump diameter <u>8" Colum</u> Rated capacity <u>750</u> GPM				
					Water information Aquifer: <input type="checkbox"/> sand/gravel <input type="checkbox"/> limestone <input checked="" type="checkbox"/> sandstone				
					Main water-supply zone from <u>1410</u> ft to <u>1655</u> ft <input type="checkbox"/> seepage well				
					Static water level <u>324</u> ft (below/above) GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input checked="" type="checkbox"/> E-line <input type="checkbox"/> estimate				
					Pumping water level <u>406</u> ft below GL; <input type="checkbox"/> tape <input checked="" type="checkbox"/> airline <input type="checkbox"/> E-line <input type="checkbox"/> estimate				
					At yield of <u>900</u> GPM; <input checked="" type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate				
					Measurements taken at <u>10:00 (AM)</u> Date <u>02/25/02</u>				
Remarks (including depth of lost drilling fluids, materials, or tools)					Water quality test? (yes/no) Date tested ____/____/____				
					Tested by _____				
Well use					Contractor <u>Grosch Irrigation Co. Inc.</u>				
<input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Commercial					Address <u>PO Box 337, Silver Creek, NE 68663</u>				
<input type="checkbox"/> Livestock <input type="checkbox"/> Public supply <input type="checkbox"/> Monitoring					Driller <u>M. Britton, M. Evans</u> Certification no. <u>40692</u>				
<input type="checkbox"/> Test well <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____ (explain)									



GROSCH IRRIGATION CO.

55191

3110 33rd Rd, P.O. Box 337
Silver Creek, NE 68663-0337

Phone 308-773-2261 Fax 308-773-2414

Refile

NAME City of North Liberty DATE 1/7/2002
 Well No. 6
 ADDRESS S.E. Cherry St.
North Liberty, IA 62317

SW1/4-NW1/4 SEC 7 TWN 80N RGE 6W
 Johnson County, Iowa

_____ FEET FROM _____ LINE
 _____ FEET FROM _____ LINE

PAGE 1

FOOTAGE		DESCRIPTION
0	35	Tan Clay
35	64	Blue Clay
64	181	Gray Limestone
181	213	Light Brown Limestone
213	231	Brown & Gray Limestone
231	249	Dark & Light Gray Limestone
249	260	More Shaley Layers in Dolomite
260	290	More Dolomite, Less Shale
290	463	Gray Dolomite w/Shale
463	498	Light Brown Dolomite
498	535	Blue Gray Shale
535	690	Blue Gray Shale w/Dolomite
690	695	Gray Shale w/Dolomite
695	730	Dark Gray Dolomite
730	748	Gray Shale
748	764	Shale & Dolomite
764	834	Brown Dolomite
834	858	Brown & Tan Dolomite w/White Shaley Material
858	887	Lighter Dolomite, Tan & White
887	954	Brown Dolomite
954	1002	Dolomite w/Shale
1002	1051	Dark Gray Dolomite w/Chert
1051	1080	St. Peter Sandstone
1080	1094	Blue & Green Shale
1094	1156	Brown Dolomite & Sandstone
1156	1312	Gray Dolomite
1312	1410	Gray Dolomite w/Sandstone Streaks
1410	1441	Sandstone
1441	1488	Gray Dolomite & Sandstone
1488	1503	Brown Dolomite
1503	1520	Brown Sandstone
		Continue to Page 2

DRILLER
Mark Evans/Mike Filton



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FOOTAGE		DESCRIPTION
1520	1559	Light Brown to White Dolomite w/Sandstone Streaks
1559	1586	White Sandstone w/Sandstone Streaks
1586	1609	Brown Dolomite w/Sandstone Streaks
1609	1628	Dolomite
1628	1655	Light Tan Sandstone
1655	1685	Brown & Gray Dolomite
1685	1720	Brown Dolomite
1720	1760	Reddish Brown Dolomite
1760	1820	Gray Dolomite

DRILLER
Mark Evans/Mike Fulton