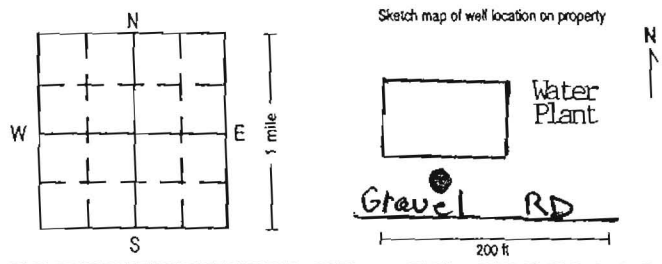


<b>Site identification</b> Property Owner <u>Water Dept.</u> Well Number <u>7</u> Address <u>120 N, Jefferson</u> Tenant <u>Sigourney, Iowa</u> Well Depth <u>1785</u> ft Date Completed <u>11 / 7 / 2007</u>		<b>Drill method</b> <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other _____ <b>Hole size</b> 24 inch from 0 ft to 92 ft <span style="font-size: small;">hole size continued</span> 18 inch from 92 ft to 1350 ft <span style="font-size: small;">12 inch from 1350 ft to 1785 ft</span> _____ inch from _____ ft to _____ ft																																																																																																																	
<b>Location</b> County <u>Keokuk</u> _____ mi. <sup>N</sup> and _____ mi. <sup>E</sup> of intersection of _____ and _____ NW 1/4 of the NE 1/4 of the SW 1/4 of Sec <u>36</u> TWP <u>76</u> RNG <u>12</u> <span style="font-size: small;">E W</span>		<b>Casing</b> Drive shoe (yes/no) _____ Pitless adaptor (yes/no) _____ <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Size (ID/OD)</th> <th>Type / Wt</th> <th>Depth top</th> <th>Depth bottom</th> <th>Amount (length)</th> </tr> </thead> <tbody> <tr> <td>20"</td> <td>.375/78.6</td> <td>+2</td> <td>92'</td> <td>94'</td> </tr> <tr> <td>12 3/4"</td> <td>.375/49.56</td> <td>+2</td> <td>1350'</td> <td>1352'</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)	20"	.375/78.6	+2	92'	94'	12 3/4"	.375/49.56	+2	1350'	1352'																																																																																																	
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<b>Well use</b> <input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <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) _____		<b>Pump installed?</b> (yes/no) <input checked="" type="checkbox"/> Date <u>5 / 14 / 08</u> Installer's name <u>Northway Well &amp; Pump Co.</u> Type of pump <u>Submersible</u> Depth to intake <u>250</u> ft Pump diameter <u>8</u> Rated capacity <u>620</u> GPM																																																																																																																	
_____		<b>Water information</b> Aquifer: <input type="checkbox"/> sand/gravel <input type="checkbox"/> limestone <input checked="" type="checkbox"/> sandstone Main water-supply zone from <u>1536</u> ft to <u>1698</u> ft Final water level (static water level) <u>145</u> ft (below/above) GL. Pumping water level <u>173</u> ft below GL; <input type="checkbox"/> tape <input checked="" type="checkbox"/> airline <input type="checkbox"/> E-line Flowmeter At yield of <u>620</u> GPM; <input type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate Date <u>6-30-08</u>																																																																																																																	
_____		<b>Water quality test?</b> (yes/no) <input checked="" type="checkbox"/> Date tested <u>1 / 16 / 08</u> Tested by <u>Iowa Hygenic Laboratory</u> Test results <u>On File</u>																																																																																																																	
_____		Contractor <u>Grosch Drilling Co.</u> Address <u>Silver Creek, NE</u> Driller <u>Mark Evans</u> Certification no. <u>2392</u>																																																																																																																	



# GROSCH DRILLING COMPANY

3110 33rd Rd, P.O. Box 337

Silver Creek, NE 68663-0337

## 65162

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

DATE 11/7/2007

NAME Sigourney, Iowa - 2007 Jordan Well

ADDRESS 21189 210th Street  
Sigourney, Iowa 52591

Well Log		
FOOTAGE		DESCRIPTION
0	1	Top Soil
1	57	Glacial Till
57	70	Limerock & Shale Layers
70	228	Limerock
228	282	Limerock & Shale Grey
282	410	Blue Grey Shale - Sticky
410	568	Grey Shale
568	669	Grey Limestone w/ Shale
669	728	Grey Limestone - Drills Fast
728	806	Grey Limestone w/ Shale
806	954	Blue Grey Shale w/ Limestone
954	1266	Tan Dolomite w/Chert
1266	1299	Sandstone St. Peter Sandstone
1299	1363	Tan Dolomite w/ Grey & Green Chert
1363	1456	Tan Dolomite w/ White Stone
1456	1536	Soften Sandstone w Streaks of Sandstone
1536	1675	White Dolomite w/ Streaks of Sandstone
1675	1698	Sandstone Jordan Sandstone
1698	1785	Tan Dolomite
1785	0	
0	0	Total Well Depth 1785'
0	0	

DRILLER: Mark Evans & Scott Grosch

65162

**Northway Well and Pump Co.**

4895 8th Avenue  
Marion, Iowa 52302

Date 8-26-2008

The formation samples from  
Sigourney Well #7 were delivered  
to the Iowa Geological Survey Bureau  
on the above date. The samples  
delivered were from 0 to 1785 feet.

Northway Well and Pump Tom G. Giddens

Iowa Geological Survey Bureau [Signature]