

Site identification Property Owner <u>CAMP TANGLEFOOT</u> Well Number _____ Address <u>GIRL SCOUT COUNCIL OF NORTH IOWA</u> Tenant <u>CLEAR LAKE, IA 50428</u> Well Depth <u>445</u> ft Date completed <u>04/03/03</u>					Drill method <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable <input type="checkbox"/> other _____ Hole size <div style="display: flex; justify-content: space-between;"> <div>12 1/4 inch from 0 ft to 20 ft</div> <div>hole size continued</div> </div> <div style="display: flex; justify-content: space-between;"> <div>9 7/8 inch from 20 ft to 186 ft</div> <div>6 1/4 inch from 186 ft to 445 ft</div> </div>																																																																																																																
Location County <u>CERRO GORDO</u> _____ mi. N and _____ mi. E of intersection of _____ and _____ <u>SE</u> 1/4 of the <u>NE</u> 1/4 of the _____ 1/4 of Sec _____ TWP <u>9N</u> RNG <u>22E</u>										Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Casing Drive shoe (yes / no) Pitless adapter (yes / no) <table border="1" style="width:100%; border-collapse: collapse;"> <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>7"</td> <td>Steel</td> <td>+2</td> <td>186</td> <td>188</td> </tr> </tbody> </table>					Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)	7"	Steel	+2	186	188																																																																																													
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Remarks (including depth of lost drilling fluids, materials, or tools) <u>11 barrels of acids pumped to increase water production</u>					Bottom capped (yes / no) with _____ Seals / Packers (yes / no) kind _____ depth _____ ft Gravel packed (yes / no) from _____ ft to _____ ft type _____ amount _____																																																																																																																
Well use <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Commercial <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Public supply <input type="checkbox"/> Monitoring <input type="checkbox"/> Test well <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____ (explain)					Well developed? (yes / no) Explain <u>160' @ 50 GPM, 180' @ 70 GPM</u> (pumped, airlifted, bailed) for _____ hrs at _____ GPM.																																																																																																																
Water information Aquifer: <input type="checkbox"/> sand / gravel <input checked="" type="checkbox"/> limestone <input type="checkbox"/> sandstone Main water-supply zone from _____ ft to _____ ft <input type="checkbox"/> seepage well Static water level <u>80</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>180</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>70</u> GPM; <input type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate Measurements taken at _____: _____ (AM / PM) Date _____ / _____ / _____					Pump installed? (yes / no) Date _____ / _____ / _____ Installer's name _____ Type of pump _____ Depth to intake _____ ft Pump diameter _____ Rated capacity _____ GPM																																																																																																																
Water quality test? (yes / no) Date tested _____ / _____ / _____ Tested by _____					Contractor <u>Shawver Well Co.</u> Address <u>Fredericksburg, IA</u> Driller <u>Bandy Jones</u> Certification no. <u>40309</u>																																																																																																																

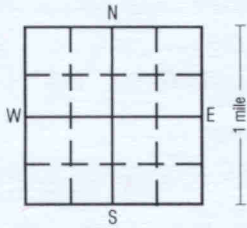
Site identification

Property Owner CAMP TANGLEFOOT Well Number _____
Address _____
Tenant _____
Well Depth _____ ft Date completed ____/____/____

Location

County _____

____ mi. ^N/_S and ____ mi. ^E/_W of intersection of _____ and _____
1/4 of the _____ 1/4 of the _____ 1/4 of _____ Sec. _____ TWP. _____ RNG. _____
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
200	212	Brown & Gray		Limerock
212	230	Brown & Blue		Limerock
230	262	Brown & Gray		Limerock
262	278	Brown & Blue		Limerock
278	285	Brown & Gray		Limerock
285	294	Brown		Limerock
294	331	Brown & Blue		Limerock
331	339	Brown & white		Limerock
339	342	Brown & Blue		Limerock
342	350	Brown & Gray		Limerock
350	362	Brown		Limerock
362	368	Brown & Gray		Limerock
368	381	Brown		Limerock
381	384	Gray		Limerock
384	390	Brown		Limerock
390	394	Brown & Blue & white		Limerock
394	430	Brown & Gray		Limerock
430	432	Gray		Limerock

Remarks

(including depth of test drilling fluids, materials, or tools)
432 437 Brown/Gray Limerock
437 441 Brown/White Limerock & shale
441 445 Buff, white Limerock
 & Brown

Well use

- ☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____

(explain)

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

____ inch from ____ ft to ____ 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)

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)

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 _____
(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 _____ ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of _____ GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at _____: _____ (AM / PM) Date ____/____/____

Water quality test? (yes / no)

Date tested ____/____/____

Tested by _____

Contractor _____

Address _____

Driller _____ Certification no. _____