WELL RECORD 74118

PWTS Permit No. _____

Iowa Department of Natural Resources – Geological Survey
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

PWTS Well No. _____

County Permit No. _____

Site identification

Property Owner Camp Courageous Other ID 2544

Address _____

Tenant _____

Well Depth 356 ft Date completed 12/1/09

Location

County Jones

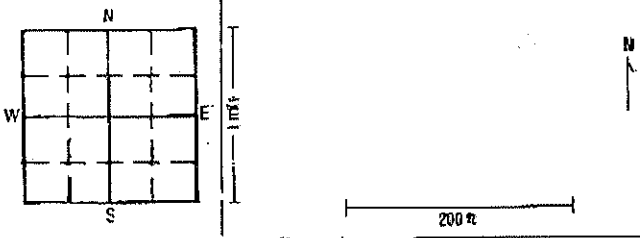
_____ mi. K S and _____ mi. E W of intersection of _____ and _____

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E W

GPS Coordinates (NAD83 datum only) decimal degrees:

_____ N. Latitude _____ W. Longitude.

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) _____

Formation log

From:	To	Color	Hardness	Formation description
0	52			Loess - Till
52	80	Tan	med	Dolomite
80	340	Tan	med	Limestone
340	342	Gray	soft	Shale
342	356	Tan	med	LS
356		Gray	soft	Shale

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well
☐ Heat pump ☐ Municipal ☒ Public supply ☐ Irrigation
☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

10 3/4 inch from 0 ft to 221 ft
6" inch from 221 ft to 356 ft
_____ inch from _____ ft to _____ ft
_____ inch from _____ ft to _____ ft

hole size continued

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Press adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth: top	Depth: bottom	Amount (length)
6"	.280	~~surface~~ 15	221	222
5"	200 PSI	196'	356	160'

Perforated or slotted casing? (yes / no)

Perforated / slotted from 330 ft to 356 ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method _____

Type	Depth: top	Depth: bottom	Amount (vol/wt)
Bentonite			
Cement grout			3 yds

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 Airlift

(pumped, airlifted, bailed) for _____ hrs at _____ GPM

Pump installed? (yes / no) By others Date ___/___/___

Installer's name Johnson H2O

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone

Main water-supply zone from 320 ft to 356 ft ☐ seepage well

Static water level 45 ft (below / above) GL: ☐ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 110 ft below GL: ☐ tape ☐ airline ☐ E-line ☐ estimate

At yield of 60 GPM; ☐ orifice ☐ volumetric ☐ estimate for _____ hours

Measurements taken at _____ (AM / PM) Date ___/___/___

Water quality test? (yes / no)

Date tested ___/___/___

Tested by _____

Contractor Forest Well Drilling

Address 4120 E. Post Rd SE, CR IA

Driller Forest Certification no. 30420

Send original form to: Iowa Department of Natural Resources – Geological Survey

Make photocopies for: Well Contractor, Customer, and County Health Department