70795

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

WELL RECORD

Permit No. 2005-069W

Site identification

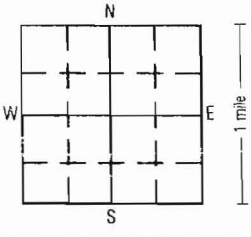
Property Owner Glenwood Comm Church Well Number ____
Address 56646 240th St Glenwood
Tenant ____
Well Depth 125 ft Date completed 12/10/04

Location

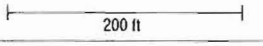
County Mills

____ mi. N/S and ____ mi. E/W of intersection of ____ and 42
NE 1/4 of the SW 1/4 of the SE 1/4 of Sec 21 TWP 72 RNG 44 E/W

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



41° 03' 49.1"
95° 43' 42.4"



☐ upland ☐ hillside ☐ valley Elevation (if known) ____

Formation log

From	To	Color	Hardness	Formation description
0	117	Lt Brown		Clay
117	120			Medium Sand
120	125			Sand w/Strips of Clay
125	129	Lt Brown		Shale
129	131	Gray & Yellow		Shale
131	133	Lt Gray		Limestone & Shale

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other ____ (explain)

Drill method

☑ rotary ☐ auger ☐ cable other ____

Hole size

8.75 inch from 0 ft to 125 ft
____ 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)
4" ID	Sch40 PVC	5	115	110'

Perforated or slotted casing? (yes / no)

Perforated / slotted from ____ ft to ____ ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no)

Placement method Tremie

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite	0	115'	500 lbs

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
4"	0.014	115	125	10'	PVC
	0.___				

Bottom capped (yes / no) with 4" PVC cap
Seals / Packers (yes / no) kind ____ depth ____ ft
Gravel packed (yes / no) from 115 ft to 125 ft
type redimix amount 1000 lbs

Well developed? (yes / no)

Explain ____
(pumped / airlifted, bailed) for 8 hrs at 18 GPM.

Pump installed? (yes / no)

Date 12/19/04
Installer's name Dave Tranmer
Type of pump Submersible Depth to intake 110 ft
Pump diameter 4" Rated capacity 10 GPM

Water information

Aquifer: ☑ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 117 ft to 125 ft ☐ seepage well
Static water level 99 ft (below / above) GL; ☐ tape ☑ airline ☐ E-line ☐ estimate
Pumping water level 101 ft below GL; ☐ tape ☑ airline ☐ E-line ☐ estimate
At yield of 18 GPM; ☐ orifice ☑ volumetric ☐ estimate
Measurements taken at ____ : ____ (AM / PM) Date 12/20/04

Water quality test? (yes / no)

Date tested 12/23/04
Tested by Midwest Labs

Contractor Jensen Well Company
Address 767 Iowa St Blair NE
Driller John Warrick Certification no. 5708

white copy – Iowa DNR, Geological Survey Bureau blue copy – Well Contractor pink copy – Customer yellow copy – County Health Officer