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

WELL RECORD

Doon-n-12 75083 Permit No. 2012-443W WL-14

Site identification

WL-14

Property Owner Lyon+Sioux RW Well Number n-12
Address Box 309 Rock Rapids, Iowa 51246
Tenant
Well Depth 40'6" ft Date completed 8/30/12

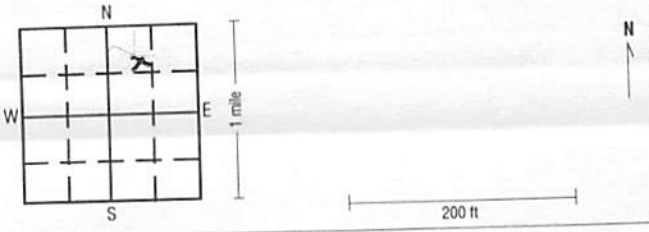
Location

County ~~Sioux~~ Lyon

1/2 mi. N S and 1/2 mi. E W of intersection of Garfield and 240th

~~SE~~ 1/4 of the NW 1/4 of the NW 1/4 of Sec 13 TWP 94 RNG 46 E W

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
0	4			Sand
4	40'6"		Clean	Gravel

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other Bucket

Hole size

20 inch from 0 ft to 40'6" 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)
12	Steel/40	-2	30'6"	28'6"
Pitless	~~Steel~~	+4	-2	6

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	8	12	4'
Cement	3	8'	5'

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	0.100	30'6"	40'6"	10	SS
	0.___				

Bottom capped (yes / no) with SS Plate
Seals / Packers (yes / no) kind ___ depth ___ ft
Gravel packed (yes / no) from ___ ft to ___ ft
Muscatine type 1/4 x 1/8 amount 15'

Well developed? (yes / no)

Explain Submersible
(pumped, airlifted, bailed) for 1 hrs at 500 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 11 ft to 40'6" ft ☐ seepage well
Static water level 11 ft (below / ~~above~~) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate - meter "
Pumping water level ___ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 500 GPM; ☐ orifice ☐ volumetric ☐ estimate - Flowmeter
Measurements taken at 2:15 (AM / PM) Date 8/27/12

Water quality test? (yes / no) Date tested 8/28/12

Tested by Lyon+Sioux

Contractor Lacey Well Drilling Inc.
Address 47582 240th St. Dell Rapids SD 57022
Driller James Lacey Certification no. 40526
Oper 3580

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