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

WELL RECORD

Klondike #3 replacement

Permit No. 2012-440W
WL-10

Site identification

Property Owner Lyon Sioux RW Well Number WL-10
Address Box 309 Rock Rapids, Iowa 51246
Tenant
Well Depth 51 ft Date completed 8 / 30 / 12

Location

County Lyon

1 mi. (N) S and 3/4 mi. (E) W of intersection of Ashley and 170
NW 1/4 of the NW 1/4 of the SW 1/4 of Sec 16 TWP 99-N RNG 48 (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	8			Clayey Gravel
8	35			Medium Sand
35	51		Coarse	Gravel

use additional sheets as needed

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 51 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	5.6"	51	38.6"
Pitless		+6"	5'6"	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 Termie

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite	25	30'	5
Cement	6'	25	19'

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	0.100	43	51	8	SS
	0.___				

Bottom capped (yes / no) with SS Plate
Seals / Packers (yes / no) kind depth ft
Gravel packed (yes / no) from 30 ft to 51 ft
Muscatine type 1/4 x 1/8 amount 21'

Well developed? (yes / no)

Explain Submersible
(pumped, airlifted, bailed) for 1 hrs at 800 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 25 ft to 51 ft ☐ seepage well
Static water level 25' ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate meter
Pumping water level 45 ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 800 GPM; ☐ orifice ☐ volumetric ☐ estimate - Flow meter
Measurements taken at 3:00 (AM / PM) Date 8 / 20 / 12

Water quality test? (yes / no)

Date tested 8 / 21 / 12
Tested by Lyon Sioux RW

Contractor J Acey Well Drilling Inc.
Address 47582 240th St. Dell Rapids, S. Dak. 57022
Driller James Lacey Certification no. 3580 OPC 40526

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