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

WELL RECORD 64316

Permit No. 2007-357W

Site identification

PWSID 6000744 WL06

Property Owner Lyon Sioux RW Well Number 5

Address 1107 1st Ave PoBox309 Rock Rapids Iowa 51246

Tenant

Well Depth 436'' ft Date completed 7 / 23 / 07

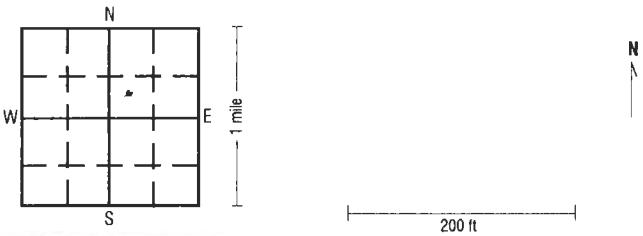
Location

County Sioux

_____ mi. N/S and _____ mi. E/W of intersection of _____ and _____

SW 1/4 of the NE 1/4 of the _____ 1/4 of Sec 12 TWP 97 RNG 44 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	3	Black		Gumbo
3	6			Sandy
6	27	Grey		Gravel
27	436'		Med.	Sand

use additional sheets as needed

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

—0—

Well use

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

Drill method

☐ rotary ☑ auger ☐ cable other _____

Hole size

20 inch from 0 ft to 436' ft

hole size continued

_____ inch from _____ ft to _____ ft

_____ 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	pitless	93'6''	35'

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	5'	27'	43 Bags

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	0.080	332''	436'	10	SS
	0.____				

Bottom capped (yes / no) with SS Plate

Seals / Packers (yes / no) kind _____ depth _____ ft

Gravel packed (yes / no) from 27' ft to 436'' ft

1/4 x 1/8 1/4 x 1/16 type Muestone amount 16'

Well developed? (yes / no)

Explain Flushed Well

(pumped, airlifted, bailed) for 2 DAYS 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 6'-43' ft to _____ ft ☐ seepage well

Static water level 6'6'' ft (below / above) GL; ☑ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 26' 3'' ft below GL; ☐ tape ☑ airline ☐ E-line ☐ estimate

At yield of 500 GPM; ☐ orifice ☑ volumetric ☐ estimate

Measurements taken at 2:00 (AM / PM) Date 7 / 25 / 07

Water quality test? (yes / no)

Date tested 7 / 25 / 07

Tested by Self + Mangold Lab

Contractor Lacey Well Drilling Inc. James Lacey

Address 47580 240th St Dell Rapids SD 57022

Driller James Lacey Certification no. 3580

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