



PWTS No. or PWS No. _____ PWTS Permit No. _____ GEOSAM Well No. (DNR use only) _____

Site Identification
 Property owner Rural Water System #1 Other ID S1R2
 Address 4438 380th St. City Hospers
 Tenant _____
 Well depth 352 ft Date completed 3 / 26 / 2014

Drill Method Rotary Auger Cable Other _____

Hole size
30 inch from 0 ft to 352 ft _____ inch from _____ ft to _____ ft
 _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft

Location County Sioux
 GPS coordinates (NAD83 datum)
43.0703110 Latitude 96.1921610 Longitude
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
SW 1/4 of the SW 1/4 of the SW 1/4 of Sec 5 TWP 96 RNG 45 E W
 Show exact location of well in section grid with a dot (+). Sketch map of well location on property.

Casing or Loop Pipe
 Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
20	Steel	0	265	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
20	Stainless V-wire	328	349	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>.070</u>
20	Stainless V-wire	349	352	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>.000</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

Casing Grout Placement method _____

Type	Depth top	Depth bottom
Neat Cement	0	265
Bentonite Seal	265	280
<input checked="" type="checkbox"/> Gravel packed variety <u>Chlorinated</u>	280	352
<input type="checkbox"/> Seals/packers		

Formation Log

From	To	Color	Hardness	Formation description
0	20	brown	loose	top soil & clay
20	57	tan	dense	clay with ledges
57	60	tan	dense	sand with clay layers
60	80	blue	dense	sandy clay with cobbles
80	100	blue	dense	sandy clay with hard ledges
100	120	blue	dense	sandy clay with cobbles
120	125	gray	dense	sandy clay
125	140	tan	dense	sandy clay
140	156	tan	dense	sandy clay with cobbles
156	220	gray	dense	sandy clay
220	240	gray	dense	sandy clay w/hard ledges
240	260	gray	dense	sandy clay w/sand streaks
260	262	tan	dense	sandy clay
262	300	tan	loose	med/coarse sand, clay streaks
300	302	tan	loose	medium, coarse sand
32	304			Hard
304	320	tan	dense	(use additional sheets as needed) med/coarse sand/clay streaks

Pump Installation Date _____ / _____ / _____
 Type of pump _____ Depth to intake _____ ft
 Pump diameter _____ in Rated capacity _____ GPM

Water Information Date 4 / 9 / 2014
 Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
<u>278</u> ft	<u>294</u> ft	<u>800</u> GPM	<u>24.00</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 328 ft to 349 ft below GL

Well Development
 Physical explain: Double disc surge block
 Chemical explain: Aqua Clear PFD

Contractor
 Company Charles Sargent Irrigation Company, Inc.
 Address 2016 Industrial Park Road, Carroll, IA 51401
 Driller Derek Schweitzer Certification no. 8338
 Revision Date: 10/2011

Remarks (including depth of lost drilling fluids, materials, or tools)
 MAY 01 2014

Well Use
 Domestic Public supply Livestock
 Heat pump Commercial Irrigation
 # of borehole(s) _____ Monitoring Other _____

