



PWTS No. or PWS No. 1178097 PWTS Permit No. _____ GEOSAM Well No. (DNR use only) _____

Site Identification
 Property owner City of Storm Lake Other ID _____
 Address 620 Erie Street City Storm Lake
 Tenant _____
 Well depth 389 ft Date completed 9 / 18 / 2014

Drill Method Rotary Auger Cable Other _____
Hole size
42 inch from 0 ft to 389 ft 28 inch from 389 ft to 497 ft
 _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft

Location County Buena Vista
 GPS coordinates (NAD83 datum)
42.6625560 Latitude 95.2344170 Longitude
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
SE 1/4 of the SE 1/4 of the SE 1/4 of Sec 29 TWP 91 RNG 37 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
30	.500 Wall Steel	0	389	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
18	.375 wall stainless	0	397	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
18	Stainless v-wire	397	497	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>.030</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

Formation Log

From	To	Color	Hardness	Formation description
0	20	brown	loose	Top Soil
20	40	blue	dense	Clay with cobbles
40	100	blue	dense	Clay w/limestone layers, cobbles
100	110	blue	dense	Sandy clay w/fine gravel streaks
110	120	blue	dense	Sandy clay with cobbles
120	130	blue	dense	Sandy clay w/limestone layers
130	140	tan	dense	Sandy clay
140	200	tan	dense	Sandy clay w/limestone ledges
200	215	tan	dense	Sandy clay
215	220	tan	dense	Sandy clay w/sand layers
220	236	tan	dense	Sandy clay
236	240	tan	loose	Medium/coarse sand w/clay
240	280	tan	dense	Sandy clay w/sand streaks
280	290	tan	dense	Sandy clay
290	310	tan	hard	Sandstone w/clay layers
310	316	tan	dense	Clay
316	320	tan	hard	(Use additional sheets as needed) Sandstone w/clay layers

Casing Grout Placement method

Type	Depth top	Depth bottom
Neat Cement Grout	0	370/360
Bentonite Seal	370/360	389/380
<input checked="" type="checkbox"/> Gravel packed variety <u>Coarse "O"</u>	380	497
<input type="checkbox"/> Seals/packers		

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

Water Information Date 10 / 7 / 2014
 Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
<u>295</u> ft	<u>371</u> ft	<u>1300</u> GPM	<u>16.00</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 320 ft to 497 ft below GL

Well Development
 Physical explain: Double Disc Surge Block
 Chemical explain: _____

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

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

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

