

800351

County Kandiyohi
Quad Spicer
Quad ID 126B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
Minnesota Statutes Chapter 1031

Entry Date08/13/2014
Update Date07/14/2016
Received Date10/07/2013

Well NameSANDAUSANDAU, Elevation1210 Township120 Range34 DirW Section6 SubsectionDADDBC	Well Depth291 ft. Depth Completed291 ft. Date Well Completed09/06/2013																																																																																					
Elev. MethodLiDAR 1m DEM (MNDNR)	Drill MethodNon-specified Rotary Drill FluidBentonite																																																																																					
AddressC/W4316 104TH AV NE SPICER MN 56288	Use domestic StatusActive																																																																																					
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>TOP SOIL</td><td>0</td><td>1</td><td>BLACK</td><td></td></tr><tr><td>CLAY</td><td>1</td><td>7</td><td>YELLOW</td><td></td></tr><tr><td>GRAVEL</td><td>7</td><td>9</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>9</td><td>17</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>17</td><td>26</td><td>YELLOW</td><td></td></tr><tr><td>CLAY</td><td>26</td><td>48</td><td>BLUE</td><td></td></tr><tr><td>SAND/GRAVEL</td><td>48</td><td>61</td><td>GRAY</td><td></td></tr><tr><td>CLAY</td><td>61</td><td>78</td><td>BLUE</td><td></td></tr><tr><td>CLAY/GRAVEL</td><td>78</td><td>150</td><td>BLU/GRY</td><td></td></tr><tr><td>CLAY</td><td>150</td><td>189</td><td>BLUE</td><td></td></tr><tr><td>CLAY</td><td>189</td><td>211</td><td>BLUE</td><td>HARD</td></tr><tr><td>CLAY/GRAVEL</td><td>211</td><td>220</td><td>BLU/GRY</td><td></td></tr><tr><td>CLAY</td><td>220</td><td>232</td><td>BLUE</td><td>HARD</td></tr><tr><td>CLAY/GRAVEL</td><td>232</td><td>248</td><td>BLU/GRY</td><td></td></tr><tr><td>CLAY</td><td>248</td><td>272</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND/GRAVEL</td><td>272</td><td>291</td><td>WHT/GRY</td><td></td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	1	BLACK		CLAY	1	7	YELLOW		GRAVEL	7	9	BROWN		CLAY	9	17	BROWN		CLAY	17	26	YELLOW		CLAY	26	48	BLUE		SAND/GRAVEL	48	61	GRAY		CLAY	61	78	BLUE		CLAY/GRAVEL	78	150	BLU/GRY		CLAY	150	189	BLUE		CLAY	189	211	BLUE	HARD	CLAY/GRAVEL	211	220	BLU/GRY		CLAY	220	232	BLUE	HARD	CLAY/GRAVEL	232	248	BLU/GRY		CLAY	248	272	BLUE	SOFT	SAND/GRAVEL	272	291	WHT/GRY		Well Hydrofractured? Yes☐ No☒ FromTo Casing TypeSingle casingJoint Drive Shoe? Yes☐ No☒ Above/Below
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Casing DiameterWeightHole Diameter

5 in. To286 ft.lbs./ft.8 in. Toft.

Open HoleFromft.Toft.

Screen?☒TypeplasticMakeJOHNSON

DiameterSlot/GauzeLengthSet

5 in.205 ft.286 ft.291 ft.

Static Water Level

60 ft.land surfaceMeasure09/06/2013

Pumping Level (below land surface)

90 ft.2 hrs.Pumping at75 g.p.m.

Wellhead Completion

Pitless adapter manufacturerMERRILLModelMCK

☐ Casing Protection☐ 12 in. above grade☐ At-grade (Environmental Wells and Borings ONLY)Grouting InformationWell Grouted?☒ Yes☐ No☐ Not Specified

MaterialAmountFromTo

bentonite6 Sacksft.54ft.

Nearest Known Source of Contamination

50 feetDirectionSeptic tank/drain field Type

Well disinfected upon completion?☒ Yes☐ NoPump☐ Not InstalledDate Installed09/06/2013

Manufacturer's nameSCHAEFER

Model Number20LD07P42HP0.75Volt230

Length of drop pipe100 ftCapacity20 g.p.TypSubmersible

Abandoned

Does property have any not in use and not sealed well(s)?☐ Yes☒ No

Variance

Was a variance granted from the MDH for this well?☐ Yes☒ No

Miscellaneous

First Bedrock

AquiferQuat. buried

Last Strat sand +largerDepth to Bedrockft

Located byMinnesota Geological Survey

Locate MethodDigitization (Screen) - Map (1:24,000) (15 meters or

SystemUTM - NAD83, Zone 15, MetersX344329Y5010371

Unique Number VerificationAddress verificationInput Date12/02/2015

Angled Drill Hole

Well Contractor

Thein Well Co., Inc.1337RIVERS, M.

Licensee BusinessLic. or Reg. No.Name of Driller