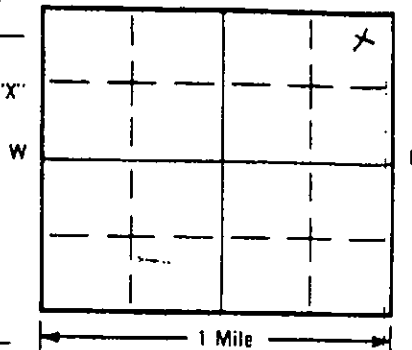


SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE 1/4 NW 1/4 Sec 4 Twp 119N Rg 5W
County Codington

Please mark well location with an "X"



Well Completion Date

5/31/18

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 160 ft from Proposed Hwy Building (Identify source)

PROPOSED USE:

☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Moles
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Forward RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>DR-21 LB/FT</u>	<u>5 IN</u>	<u>0 FT</u>	<u>191 FT</u>	<u>9 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Neat Cement</u>	_____	<u>15 lb./gal</u>	<u>0 ft</u>	<u>30 ft</u>
<u>High Solids Bent</u>	_____	<u>9.4 lb./gal</u>	<u>30 ft</u>	<u>175 ft</u>

Describe grouting procedure Pressure Grout w/Tremie pipeSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 5" Steel IN Length 18 FEETMaterial Stainless SteelSlot Size 15 Set From 191 Feet to 209 FeetOther information solid plug on bottomWAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES. How Chlorine☐ NO. Why Not? Solution

Laboratory sent to for water quality analysis

DHIAWell Owner: Brent & Rodney Zemlicka

Business Name: _____

Address: 45412 164th Street
Watertown SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>topsoil/Fill</u>	<u>Dark</u>	<u>0</u> <u>5</u>
<u>clay</u>	<u>yellow</u>	<u>5</u> <u>48</u>
<u>clay</u>	<u>Grey</u>	<u>48</u> <u>70</u>
<u>clay</u>	<u>yellow</u>	<u>70</u> <u>120</u>
<u>Sandy clay</u>	<u>Grey</u>	<u>120</u> <u>191</u>
<u>Sand 20 slot</u>	<u>Yellowish</u>	<u>191</u> <u>210</u>
<u>clay</u>	<u>Blue</u>	<u>210</u>

STATIC WATER LEVEL 40If flowing: closed in pressure NO

GPM flow _____ through _____ inc

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: Pumped w/ Air☐ BailedCompressor☐ Other _____

Pumping Level Below Land Surface

100 ft After 3 Hrs pumped 150

_____ ft After _____ Hrs pumped _____

If pump installed, pump rate _____

REMARKS

Good well - Good water

JAN 17 2019

WATER RIGHTS PROGRAM

This well was drilled under license # 63

And this report is true and accurate

Drilling firm: Lee Well Drilling Inc

Signature of License Representative

Signature of Well Owner or Equitable Property Holder

Date:

6-18-18