

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 SW 1/4 Sec 28 Twp 19 Rg 4

County Harding

Please mark well location with an "X"

Well completion Date 9-23-19

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)
? 25 ft. from old well (identify source)

PROPOSED USE:
☒ Domestic/Stock
☐ Irrigation
☐ Municipal
☐ Industrial
☐ Business
☐ Institutional
☐ Test Holes
☐ Monitoring well

METHOD OF DRILLING:

CASING DATA: ☐ Steel ☒ Plastic ☐ Other
 If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>SDA21 LB/FT</u>	<u>5 IN</u>	<u>11 FT</u>	<u>105 FT</u>	<u>9 3/8 IN</u>
<u>SDA21 LB/FT</u>	<u>5 IN</u>	<u>145 FT</u>	<u>150 FT</u>	<u>9 1/8 IN</u>
LB/FT	IN	FT	FT	IN

GROUTING DATA:
 Grout Type Best Well No. of Sacks 10 Grout Weight 9.4 Lb/gal From 0 Ft To 100 Ft
 Lb/gal Ft Ft

Describe grouting procedure pump down with tremie pipe

SCREEN: ☐ Perforated pipe ☒ Manufactured
 Diameter 5 Inches Length 40 Feet
 Material SDA21 PVC
 Slot Size 16 Set From 105 Feet to 195 Feet
 Other information Sand pack

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No
 If so, what material? _____
 Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?
☒ Yes, How? HTH
☐ No, Why Not? _____
 Lab sample sent to for water quality analysis SD State

Well Owner: Steve Nation
 Business Name: _____
 Address1: 12057 S.D. Hwy 20 Buffalo SD
 Address2: _____
 City, State, Zip: _____

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Sand Brown</u>	<u>0</u>	<u>18</u>
<u>Clay Gray</u>	<u>18</u>	<u>42</u>
<u>Sand Brown</u>	<u>42</u>	<u>57</u>
<u>Shale Gray</u>	<u>57</u>	<u>97</u>
<u>Sand Gray</u>	<u>97</u>	<u>109</u>
<u>Shale Gray</u>	<u>109</u>	<u>113</u>
<u>Sand Gray</u>	<u>113</u>	<u>147</u>
<u>Shale Gray</u>	<u>147</u>	<u>150</u>

STATIC WATER LEVEL 65 FEET
 If flowing: closed in pressure _____ PSI
 GPM flow _____ through _____ Inch pipe
 Controlled by ☐ Valve ☐ Reducers ☐ Other _____
 Reduced flow rate _____ GPM
 Can well be completely shut in? _____

WELL TEST DATA:
☐ Pumped Describe: on lift with drill pipe
☐ Bailed
☒ Other _____
 Pumping Level Below Land Surface
100 Ft. After 1/2 Hrs. pumped 12 GPM
120 Ft. After 1/2 Hrs. pumped 20 GPM
 If pump installed, pump rate: 12 GPM

REMARKS

This well was drilled under license # 643
 And this report is true and accurate.
 Drilling firm: Gregory Water and Energy Inc
 Signature of License Representative: Gregory
 Signature of Well Owner or Equitable Property Holder: Steve Nation
 Date: 9-30-19

RECEIVED
 JAN 23 2020
 WATER RIGHTS PROGRAM

Please return White Copy to DENR Water Rights

523 E. Capitol Ave., Pierre SD 57501