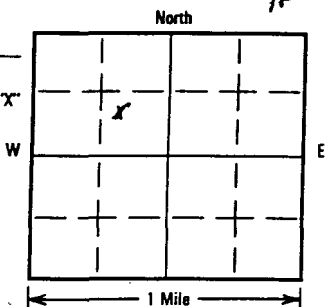


SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE 1/4 NW 1/4 Sec 6 Twp 123N Rg 28WCounty Walworth

Please mark well location with an "X"

Well Completion Date 9-11-98Well Owner: Charles Hough

Business Name:

Address: RR
Glenham, SD 57631

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Topsoil</u>	<u>0</u>	<u>1</u>
<u>Light Brown sand</u>	<u>1</u>	<u>16</u>
<u>Light brown silt clay</u>	<u>16</u>	<u>24</u>
<u>Gray gray clay to sandy gray clay</u>	<u>24</u>	<u>126</u>
<u>Gray fine sand & clay</u>	<u>126</u>	<u>137</u>
<u>Medium gravel & sand</u>	<u>137</u>	<u>140</u>
<u>Hard broken slate to shale</u>	<u>140</u>	<u>143</u>

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? None ft. from New Home site (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>2.91 LB/FT</u>	<u>5" ID</u>	<u>140</u> FT	<u>143</u> FT	<u>8"</u> IN
_____ 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>4</u>	<u>16.0</u> lb./gal	<u>10</u> ft	<u>35</u> ft
<u>Bentonite grout</u>	<u>8</u>	_____ lb./gal	<u>35</u> ft	<u>110</u> ft

Describe grouting procedure Pumped in from bottom up through tremie pipeSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 5" IN Length 6' FEETMaterial PVC SDR 21 Slotted pipeSlot Size .020 Set From 137' Feet to 143 FeetOther information Gravel packed screen w/ #30Red Flint and buckshot up to 110'5" PVC Cap on bottom of screenWAS 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 solution

_____ NO, Why Not? _____

STATIC WATER LEVEL 60.5 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ PumpedDescribe: Developed well by air☐ Bailed11PT off & on 1/11 water☒ Otherwas clear.

Pumping Level Below Land Surface

141' ft. After 2 Hrs. pumped 25+ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 10 GPM

REMARKS

This well was drilled under license # 231

And this report is true and accurate.

Drilling firm Abels Well Service

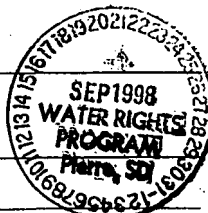
Signature of License Representative:

Shugg Shewski

Signature of Well Owner or Equitable Property Holder:

Laboratory sent to for water quality analysis _____

Date: _____



9-21-98