

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

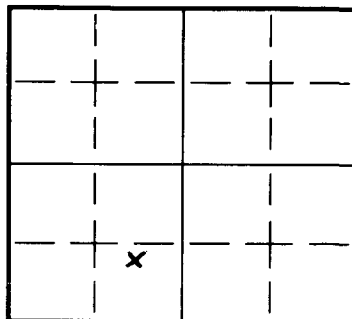
Location SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 11 Twp SN Rg 4ECounty Lawrence

Please mark well location with an "X"

W

E

Well Completion Date

Nov 11 05

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 500 ft. from Septic (identify source).

PROPOSED USE:

U.H.D.

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

METHOD OF DRILLING:

Air RotaryCASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>54.5</u> LB/FT	<u>13 3/8</u> IN	<u>0</u> FT	<u>63</u> FT	<u>17 1/2</u> IN
<u>36</u> LB/FT	<u>9 5/8</u> IN	<u>+2</u> FT	<u>915</u> FT	<u>12 1/4</u> IN
<u>23</u> LB/FT	<u>7</u> IN	<u>878</u> FT	<u>1050</u> FT	<u>8 3/4</u> IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland</u>	<u>580</u>	<u>14</u> lb./gal	<u>0</u> ft	<u>915</u> ft
<u>Portland</u>	<u>60</u>	<u>14</u> lb./gal	<u>878</u> ft	<u>1050</u> ft

Describe grouting procedure Pressure grouted through casing.SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

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: chlorine solution
☐ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Mark SimpsonBusiness Name: Apple Creek Development, LLCAddress: 1750 Fountain Plaza Dr.Rapid City, SD 57702

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>Spearfish</u>	<u>0</u>	<u>60</u>
<u>Minnekahta</u>	<u>60</u>	<u>104</u>
<u>Opeake</u>	<u>104</u>	<u>250</u>
<u>Minnelusa</u>	<u>250</u>	<u>900</u>
<u>Madison</u>	<u>900</u>	<u>1500</u>
<u>Englewood</u>	<u>1500</u>	<u>1505</u>

STATIC WATER LEVEL 460 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: Air Developed☐ Bailed☒ Other _____

Pumping Level Below Land Surface

840 ft. After 4 Hrs. pumped 1009 gpm GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Water Permitt No. 1840-1Note: See Attached Note on cementing Details

RECEIVED

This well was drilled under license # 331

DEC - 11

And this report is true and accurate.

WATER RIGHT
PROGRAMDrilling firm Taylor Drilling

Signature of License Representative:

K Tyl

RECEIVED

Signature of Well Owner or Equitable Property Holder

DEC - 1 2005

WATER RIGHT
PROGRAM

Date: _____

12-1-05

**Mark Simpson
Apple Creek Development, LLC**

9 5/8" Casing was pressure grouted with 200 sacks of Portland cement with no return of cement to surface. A cement bond log showed top of cement @ 590 ft. Casing was jet perforated with 4 shots @ 575 ft. Circulation through perforation was not good enough to pump cement grout. A 1" trimmy line was set along side 9 5/8" casing to 205 ft. 300 sacks of Portland cement was pumped to fill annular space to surface. 60 sacks of Portland cement was used to squeeze into the bond log perforations.

**RECEIVED
DEC - 1
WATER RIGHTS
PROJECT**