

Pw 4

SOUTH DAKOTA WATER WELL COMPLETION REPORT

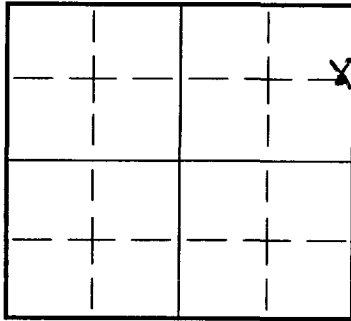
07-92

Location NE 1/4 NE 1/4 Sec 7 Twp 121N Rg 46W
 County Grant
 North

Please mark well location with an "X"

W

E



1 Mile

Well Completion Date

2/9/07

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? N/A ft. from _____ (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
49.56 LB/FT 12 IN +2 FT 140 FT 18 3/4 IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN

GROUTING DATA

Grout Type No. of Sacks Grout Weight From To
neat 120 _____ lb./gal 0 ft. 126 ft.
Cement _____ lb./gal _____ ft. _____ ft.

Describe grouting procedure Pressure grouted from 105 to ground level

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 10" IN Length 45 FEETMaterial 304 Stainless SteelSlot Size 40 Set From 140 Feet to 185 Feet

Other information Tight wrapped screen from 158 to 173

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: __________
☐ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Otter Tail Power Company
 Business Name: Otter Tail Power Company
 Address: 50 Park Engineering Co.
4700 W 77th St. Minneapolis MN 55435

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
clay yellow	0	35
clay Dark gray	35	67
Sand Brown	67	75
clay Dark gray	75	79
clay Red	79	93
clay Gray	93	121
Sand Gray	121	185

STATIC WATER LEVEL 117 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: 50 hp test pump
Set at 165'☐ Bailed☐ Other _____

Pumping Level Below Land Surface

137.32 ft. After 72 Hrs. pumped 210 GPM_____
 _____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

No Sand
cleaned up nice

This well was drilled under license # 424

And this report is true and accurate.

Drilling firm Boart Longyear

Signature of License Representative

Tom [Signature]

Signature of Well Owner or Equitable Property Holder: _____

Date: 3/5/07

RECEIVED
 MAR - 8 2007
 WATER RIGHT
 PROGRAM

7-8-3
 10-8-3