# Appendix C

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other

## (1) GENERAL INFORMATION

WI Unique Well No. — DNR Well ID No. — County: Waushara

Common Well Name: TH -05 — Gov't Lot (If applicable)

Grid Location: SW 1/4 of NE 1/4 of Sec. 24 ; T. 20 N; R. 10 ☒ E ☐ W

ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane ft. N. ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Test hole — WI Unique Well No. of Replacement Well

## (2) FACILITY/OWNER INFORMATION

Facility Name: Wild Rose Fish Hatchery

Facility ID — License/Permit/Monitoring No.

Street Address of Well: N5871 State Road 22

City, Village, or Town: Wild Rose WI

Present Well Owner: Same — Original Owner

Street Address or Route of Owner

City, State, Zip Code

## (3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 6-7-05

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 218 (From groundsurface) — Casing Diameter (in.) NA — Casing Depth (ft.) NA

Lower Drillhole Diameter (in.) 6"

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? NA Feet

Depth to Water (Feet) 25

## (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Liner(s) Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Screen Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Casing Left in Place? | ☐ Yes | ☐ No | NA |
| Was Casing Cut Off Below Surface? | ☐ Yes | ☐ No | NA |
| Did Sealing Material Rise to Surface? | ☒ Yes | ☐ No | |
| Did Material Settle After 24 Hours? | ☐ Yes | ☒ No | |
| If Yes, Was Hole Retopped? | ☐ Yes | ☐ No | |

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☒ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| High Solids Bentonite/Sand Slurry | Surface | 218 | 11 | 12 lbs/gal |
| | | | | |
| | | | | |

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work: Mark J Traut Wells, Inc. — Date of Abandonment: 6-7-05

Signature of Person Doing Work — Date Signed

Street or Route: 141 28th Ave S — Telephone Number: (320) 251-5090

City, State, Zip Code: White Park MN 56387

FOR DNR OR COUNTY USE ONLY
Date Received — Noted By
Comments

FIELD BORING LOG

FOR Liesch + Assoc.
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER Robbie HELPER Kevin

JOB # 307211
BORING # TH #1-05
DATE
UNIQUE # NA

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | Silty Sand 0-13 |
| 5 | Sand & Gravel 50 slot 13-28 |
| 10 | Sand 20 slot 28-85 |
| 15 | Sand & Gravel 50 slot 85-120 |
| 20 | Sand & Gravel 70 slot 120-143 |
| 25 | Sand & Gravel 50 slot 143-158 |
| 30 | Sand 20 slot 158-188 |
| 35 | Silty Clay 188-198 |
| 40 | Sand 15 slot 198-201 |
| 45 | Silty Clay 201-208 |
| 50 | |

Boring ~~Well~~ Depth 218
Drill Method Mud Rotary
Drill Fluid Bentonite

Screen
Type
Slot NA
Diameter
Set Between &

Casing
Type
Diameter NA
Set Between &

Sand Pack
Type NA
Set Between &

Seal
Type NA
Set Between & Bags

Annular Space Sealant
Type High Solids Bentonite
Set Between 0 & 218 Bags 11
& Bags
& Bags

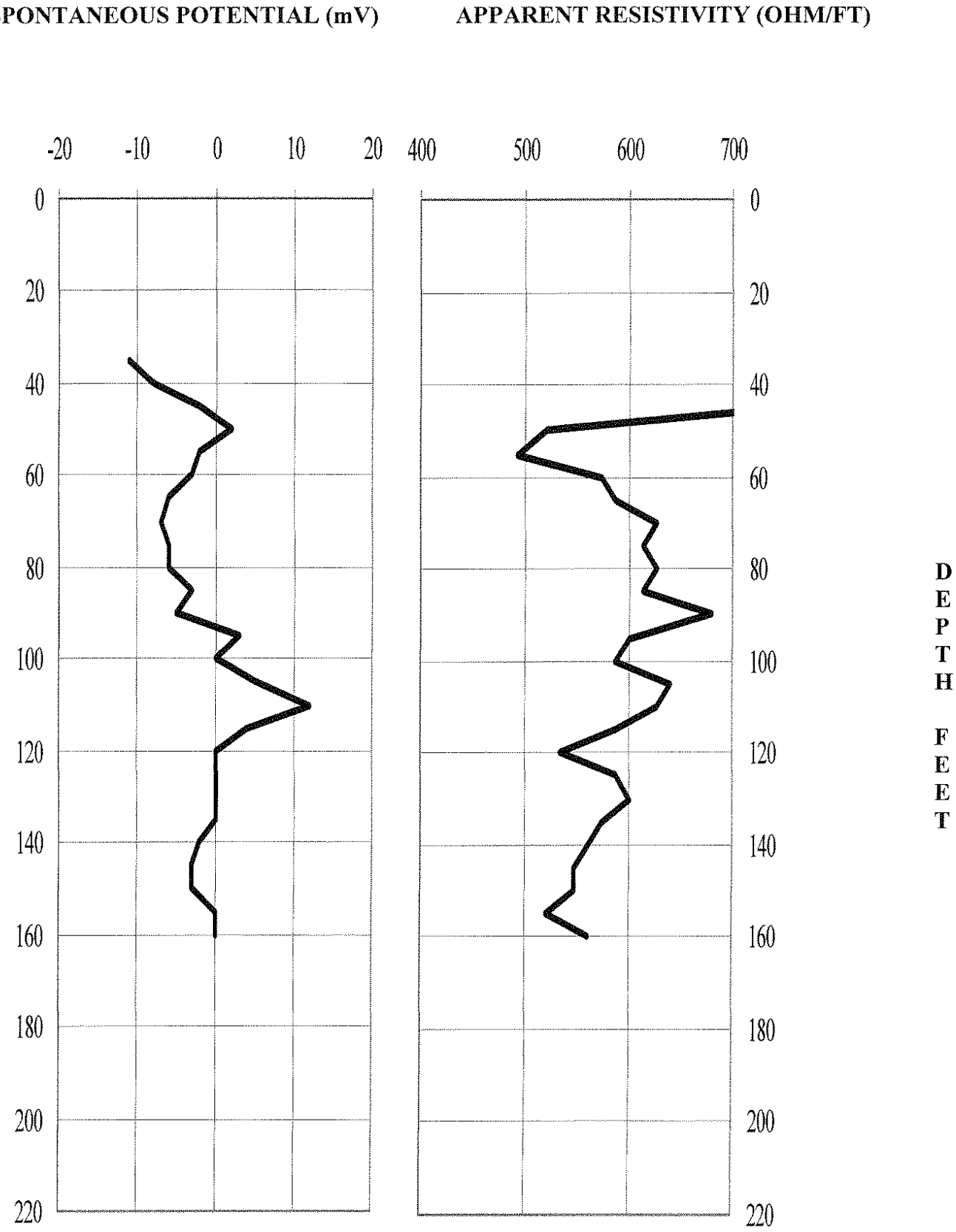
Protective Casing
Type
Size
Bumper

Water Level 25'

Bottom Of Boring

Bottom Of Sample 218

Map
N 44° 11.733'
W 89° 11.837'

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8/19/2005

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(608) 223-1532

13400 15th Avenue N
Minneapolis, MN 55441
(612) 559-1423

2700 N Central Ave, Suite 890
Phoenix, AZ 85004
(602) 650-2815

| Wild Rose | June 05 |
|---|---|
| Electric Log of TH-1-05 | |

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other

## (1) GENERAL INFORMATION

WI Unique Well No.: | DNR Well ID No.: | County: Waushara

Common Well Name: TH#2-05 Gov't Lot (If applicable):

Grid Location: SW 1/4 of NE 1/4 of Sec. 24 ; T. 20 N; R. 10 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: festhole | WI Unique Well No. of Replacement Well:

## (2) FACILITY/OWNER INFORMATION

Facility Name: Wild Rose Fish Hatchery

Facility ID: | License/Permit/Monitoring No.:

Street Address of Well: N5871 State Road 22

City, Village, or Town: Wild Rose WI

Present Well Owner: Same | Original Owner:

Street Address or Route of Owner:

City, State, Zip Code:

## (3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 6-8-05

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 189 (From groundsurface) Casing Diameter (in.) NA

Casing Depth (ft.) NA

Lower Drillhole Diameter (in.) 6"

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? NA Feet

Depth to Water (Feet) 25

## (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Liner(s) Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Screen Removed? | ☐ Yes | ☐ No | ☒ Not Applicable |
| Casing Left in Place? | ☐ Yes | ☐ No | NA |
| Was Casing Cut Off Below Surface? | ☐ Yes | ☐ No | NA |
| Did Sealing Material Rise to Surface? | ☒ Yes | ☐ No | |
| Did Material Settle After 24 Hours? | ☐ Yes | ☒ No | |
| If Yes, Was Hole Retopped? | ☐ Yes | ☐ No | |

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☒ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

## (5) Material Used To Fill Well/Drillhole

| Material | From (Ft.) | To (Ft.) | No. Yards, Sacks, Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| High Solids Bentonite / Sand Slurry | Surface | 189 | 10 | 12 lb/gal |
| | | | | |
| | | | | |

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work: Mark J Traut Wells Inc | Date of Abandonment: 6-8-05

Signature of Person Doing Work: | Date Signed:

Street or Route: 141 28th Ave S | Telephone Number: (320) 251-5090

City, State, Zip Code: White Park MN 56387

FOR DNR OR COUNTY USE ONLY

Date Received: | Noted By:

Comments:

FIELD BORING LOG

FOR Liesch + Assoc.
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER ~~[illegible]~~ Robbie HELPER Kevin

JOB # 307211
BORING # TH# 2-05
DATE
UNIQUE # NA

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | 5 Silty Sand 0-5 |
| | Sand + Gravel 5-14 30 slot |
| | 10 Silty Sand 14-20 |
| | Sand + Gravel 30 slot 20-121 |
| | 15 Sand 15 slot 121-153 |
| | 20 Sand + Gravel 30 slot 153-162 |
| | 25 Sand - 20 slot 162-174 |
| | 30 Clay 174-180 |
| | 35 |
| | 40 |
| | 45 |
| | 50 |

Boring ~~Well~~ Depth
Drill Method Mud Rotary
Drill Fluid Bentonite

Screen
Type
Slot NA
Diameter
Set Between & 

Casing
Type
Diameter NA
Set Between & 

Sand Pack
Type NA
Set Between & 

Seal
Type NA
Set Between & Bags

Annular Space Sealant
Type High Solids Bentonite
Set Between & Bags
& Bags
& Bags

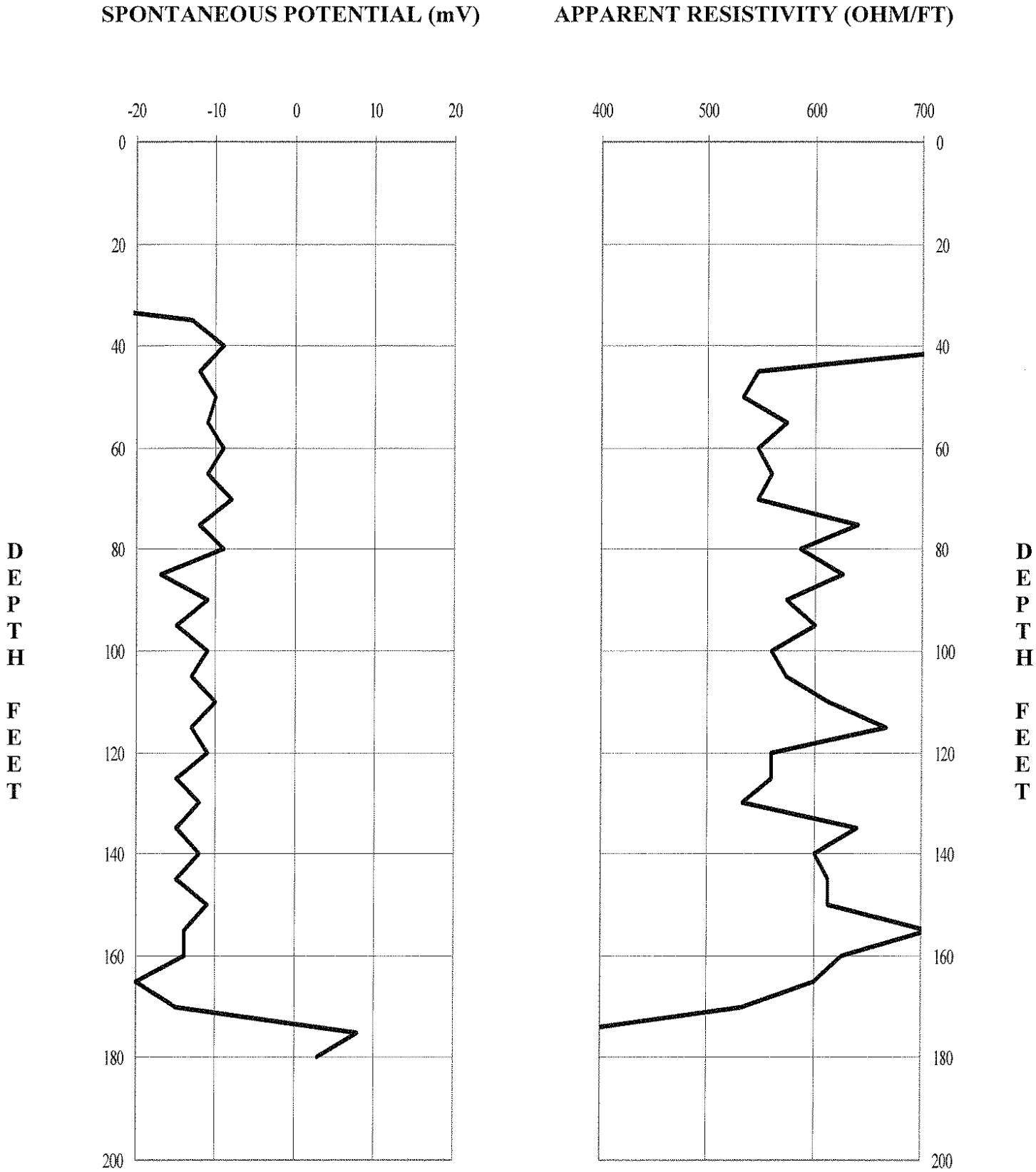
Protective Casing
Type
Size
Bumper

Water Level

Bottom Of Boring

Bottom Of Sample

Map
N 44° 11.788'
W 89° 14.972'

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| Wild Rose | June 05 |
|---|---|
| Electric Log of TH-2-05 | |

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater [X] Waste Management [ ]
Remediation/Redevelopment [ ] Other [ ]

# MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Wild Rose Fish Hatchery
Facility License, Permit or Monitoring No.:
Facility ID:
Type of Well: Well Code 1
Distance from Waste/Source ____ ft. Enf. Stds. Apply [ ]

Local Grid Location of Well: ____ ft. [ ] N. [ ] S. ____ ft. [ ] E. [ ] W.
Local Grid Origin [ ] (estimated: [ ]) or Well Location [ ]
Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N
Section Location of Waste/Source: NE 1/4 of NE 1/4 of Sec. 24, T. 20 N, R. 10 [X] E [ ] W
Location of Well Relative to Waste/Source: u [ ] Upgradient s [ ] Sidegradient d [ ] Downgradient n [ ] Not Known
Gov. Lot Number:

Well Name: TH #3-05
Wis. Unique Well No.: RF091
DNR Well ID No.:
Date Well Installed: __/__/____ (m m d d y y y y)
Well Installed By: Name (first, last) and Firm
Robbie Terres
Mark J. Traut Wells, Inc.

A. Protective pipe, top elevation 2.5 ft. MSL
B. Well casing, top elevation 2 ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
OP [ ] GM [ ] GC [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [ ] MH [ ] CL [ ] CH [ ]
Bedrock [ ]

13. Sieve analysis performed? [ ] Yes [ ] No

14. Drilling method used: Rotary [X] 50
Hollow Stem Auger [ ] 41
Other [ ]

15. Drilling fluid used: Water [ ] 02 Air [ ] 01
Drilling Mud [X] 03 None [ ] 99

16. Drilling additives used? [X] Yes [ ] No
Describe: Bentonite Drill Fluid

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 139 ft. MSL or ____ ft.
F. Fine sand, top 141 ft. MSL or ____ ft.
G. Filter pack, top 143 ft. MSL or ____ ft.
H. Screen joint, top 145 ft. MSL or ____ ft.
I. Well bottom 165 ft. MSL or ____ ft.
J. Filter pack, bottom 166 ft. MSL or ____ ft.
K. Borehole, bottom 200 ft. MSL or ____ ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.36 in.
N. I.D. well casing 2.06 in.

1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 7 ft.
c. Material: Steel [X] 04 Other [ ]
d. Additional protection? [X] Yes [X] No
If yes, describe:
3. Surface seal: Bentonite [ ] 30 Concrete [ ] 01 Other [X]
Neat cement
4. Material between well casing and protective pipe: Bentonite [ ] 30 Other [X]
Neat Cement
5. Annular space seal: a. Granular/Chipped Bentonite [ ] 33
b. 15 Lbs/gal mud weight . . . Bentonite-sand slurry [X] 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry [ ] 31
d. ____ % Bentonite . . . . . Bentonite-cement grout [ ] 50
e. ____ $Ft^3$ volume added for any of the above
f. How installed: Tremie [ ] 01 Tremie pumped [X] 02 Gravity [ ] 08
6. Bentonite seal: a. Bentonite granules [ ] 33
b. [ ] 1/4 in. [X] 3/8 in. [ ] 1/2 in. Bentonite chips [X] 32
c. ____ Other [ ]
7. Fine sand material: Manufacturer, product name & mesh size
a. #70 Badger
b. Volume added 2 $ft^3$
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added ____ $ft^3$
9. Well casing: Flush threaded PVC schedule 40 [ ] 23 Flush threaded PVC schedule 80 [ ] 24
Black Steel Other [X]
10. Screen material: Stainless Steel
a. Screen type: Factory cut [ ] 11 Continuous slot [ ] 01
wire wrapped Other [X]
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: ____ ft.
11. Backfill material (below filter pack): None [ ] 14 Other [ ]

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Robbi Terres Firm:

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

FIELD BORING LOG

FOR Leisch + Assoc
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER Robbie HELPER Kevin

JOB # 307216
BORING # [illegible]
DATE
UNIQUE # PF 091

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | 0-12 Brn Sand 10 Slot |
| | 12-18 Brn Sand 30 Slot |
| | 18-20 Black + White Rock |
| | 20-45 Brn Sand + Gravel 50 Slot |
| | 45-80 Brn Sand 20 Slot |
| | 80-111 Brn Sand 10 Slot |
| | 111-165 Brn Sand 20 Slot |
| | 165-176 Brn Sand 30 Slot |
| | 176-177 Brn Clay |
| | 177-182 Brn Sand 20 Slot |
| | 182-200 Brn Clay |
| | 30 |
| | 35 |
| | 40 |
| | 45 |
| | 50 |

Well Depth 165 ft
Drill Method Mud Rotary
Drill Fluid Bentonite

Screen Johnson
Type Stainless Steel
Slot .010
Diameter 8"
Set Between 145 ft & 165 ft

Casing Wheatland
Type Black Steel
Diameter 2"
Set Between +2 & 145 ft

Sand Pack #40
Type Rock Tint
Set Between 143 & 166

Seal #20 Badger 3/8 Bent. Chips
Type Sand
Set Between 141 & 143 Bags

Annular Space Sealant
Type Volclay
Set Between 5 & 141 Bags
wet cement 0 & 5 Bags 1
& Bags

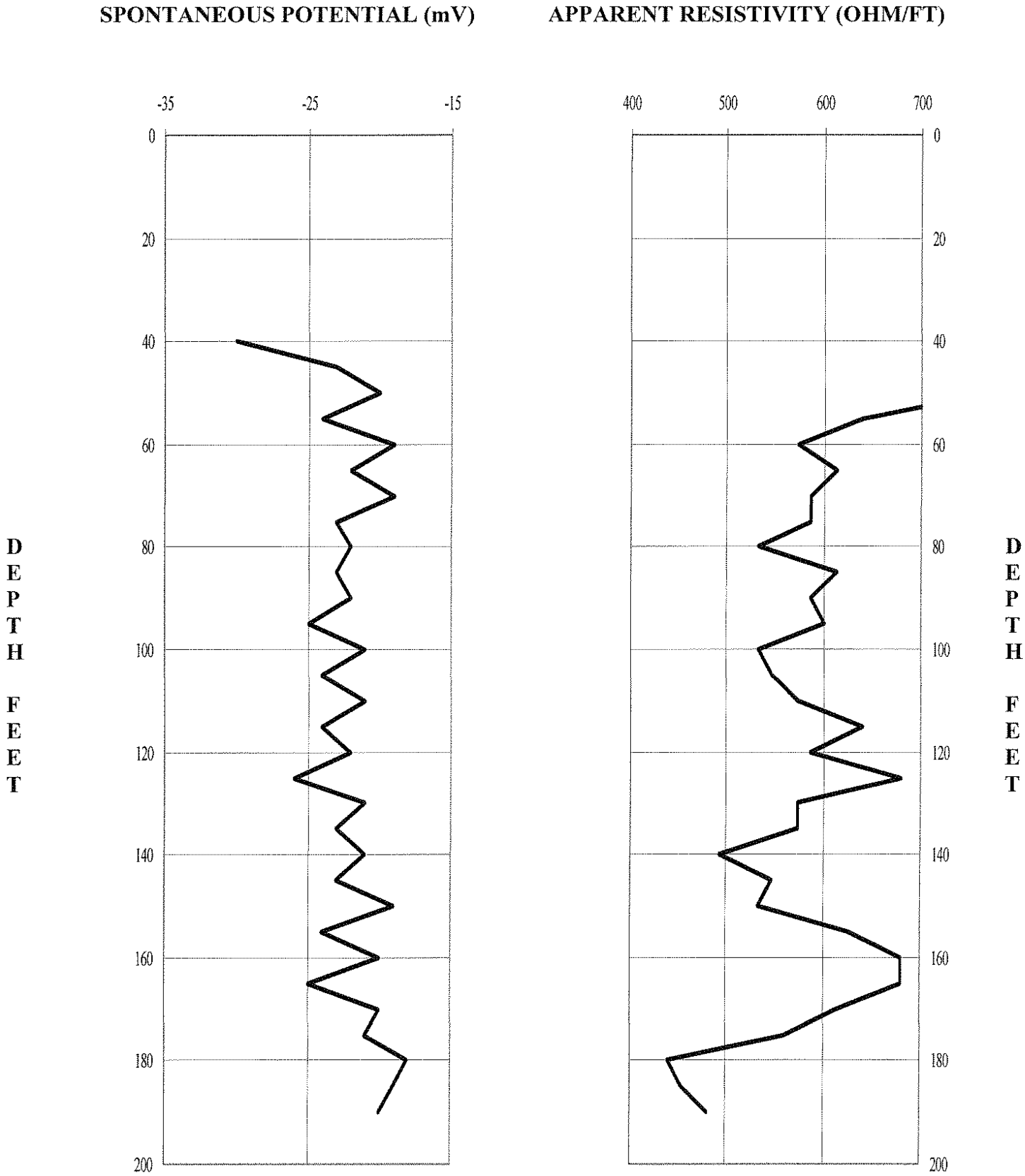
Protective Casing
Type Pretap
Size 6"
Bumper

Water Level 39 ft

Bottom Of Boring 200 ft

Bottom Of Sample 200 ft

Map N 44° 11.801
W 89° 15.088

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8/19/2005

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(602) 650-2815

| Wild Rose | June 05 |
|---|---|
| Electric Log of TH-3-05 | |

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater [X] Waste Management [ ] Remediation/Redevelopment [ ] Other [ ]

# MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Wild Rose Fish Hatchery
Facility License, Permit or Monitoring No.:
Facility ID:
Type of Well: Well Code ___ /
Distance from Waste/Source ___ ft. Enf. Stds. Apply [ ]

Local Grid Location of Well: ___ ft. [ ] N. [ ] S. ___ ft. [ ] E. [ ] W.
Local Grid Origin [ ] (estimated: [ ]) or Well Location [ ]
Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or
St. Plane ___ ft. N, ___ ft. E. S/C/N
Section Location of Waste/Source: NE 1/4 of SE 1/4 of Sec. 24, T. 20 N, R. 10 [X] E [ ] W
Location of Well Relative to Waste/Source: u [ ] Upgradient s [ ] Sidegradient d [ ] Downgradient n [ ] Not Known
Gov. Lot Number:

Well Name: TH# 4-05
Wis. Unique Well No.: PE092
DNR Well ID No.:
Date Well Installed: m m / d d / y y y y
Well Installed By: Name (first, last) and Firm
Robbie Terres
Mark J. Traut Wells, Inc.

A. Protective pipe, top elevation 2.5 ft. MSL
B. Well casing, top elevation 2 ft. MSL
C. Land surface elevation ___ ft. MSL
D. Surface seal, bottom ___ ft. MSL or ___ ft.

12. USCS classification of soil near screen:
GP [ ] GM [ ] GC [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [ ] MH [ ] CL [ ] CH [ ]
Bedrock [ ]

13. Sieve analysis performed? [ ] Yes [ ] No

14. Drilling method used: Rotary [X] 50; Hollow Stem Auger [ ] 41; Other [ ]

15. Drilling fluid used: Water [ ] 02; Air [ ] 01; Drilling Mud [X] 03; None [ ] 99

16. Drilling additives used? [X] Yes [ ] No
Describe: Bentonite Drill Fluid

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 118 ft. MSL or ___ ft.
F. Fine sand, top 120 ft. MSL or ___ ft.
G. Filter pack, top 122 ft. MSL or ___ ft.
H. Screen joint, top 124 ft. MSL or ___ ft.
I. Well bottom 144 ft. MSL or ___ ft.
J. Filter pack, bottom 145 ft. MSL or ___ ft.
K. Borehole, bottom 180 ft. MSL or ___ ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.36 in.
N. I.D. well casing 2.06 in.

1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 7 ft.
c. Material: Steel [X] 04; Other [ ]
d. Additional protection? [ ] Yes [X] No
If yes, describe:
3. Surface seal: Bentonite [ ] 30; Concrete [ ] 01; Other [X]
Neat cement
4. Material between well casing and protective pipe: Bentonite [ ] 30; Other [X]
Neat Cement
5. Annular space seal: a. Granular/Chipped Bentonite [ ] 33
b. 15 Lbs/gal mud weight . . . Bentonite-sand slurry [X] 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry [ ] 31
d. ___ % Bentonite . . . . . Bentonite-cement grout [ ] 50
e. ___ $Ft^3$ volume added for any of the above
f. How installed: Tremie [ ] 01; Tremie pumped [X] 02; Gravity [ ] 08
6. Bentonite seal: a. Bentonite granules [ ] 33
b. [ ] 1/4 in. [X] 3/8 in. [ ] 1/2 in. Bentonite chips [X] 32
c. ___ Other [ ]
7. Fine sand material: Manufacturer, product name & mesh size
a. #70 Badger
b. Volume added 2 $ft^3$
8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Red Flint
b. Volume added ___ $ft^3$
9. Well casing: Flush threaded PVC schedule 40 [ ] 23; Flush threaded PVC schedule 80 [ ] 24; Other [X]
Black Steel
10. Screen material: Stainless Steel
a. Screen type: Factory cut [ ] 11; Continuous slot [ ] 01; Other [X]
wire wrapped
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: ___ ft.
11. Backfill material (below filter pack): None [ ] 14; Other [ ]

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Robbie Terres
Firm:

Please complete both forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

FIELD BORING LOG

FOR Leisch & Assoc
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER Robbie HELPER Kevin

JOB # 307211
BORING # TH#405
DATE
UNIQUE # PF092

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | 0-22 Brn Sand 10 Slot |
| 5 | 22-77 Brn Clay |
| | 77-80 Brn Sand 15 Slot |
| 10 | 80-95 Brn Clay |
| | 95-110 Brn. Sandy Clay |
| 15 | 110-126 Brn Sand + Gravel 50 Slot |
| | 126-170 Brn Sand 20 Slot |
| 20 | 170-180 Brn Sandy Clay |
| 25 | |
| 30 | |
| 35 | |
| 40 | |
| 45 | |
| 50 | |

Well Depth 144 ft
Drill Method Mud Rotary
Drill Fluid Bentonite

Screen Johnson
Type Stainless Steel
Slot .010
Diameter 2"
Set Between 124 ft & 144 ft

Casing Wheatland
Type Black Steel
Diameter 2"
Set Between +2 & 124 ft

Sand Pack #40
Type Red Tint
Set Between 122 ft & 145 ft

Seal #70 Badger 3/4 Bent. Chips
Type Sand
Set Between 120 ft & 122 ft Bags

Annular Space Sealant
Type Volclay
Set Between ' & ' Bags
neat cement 0 & 5 ' Bags 1
' & ' Bags

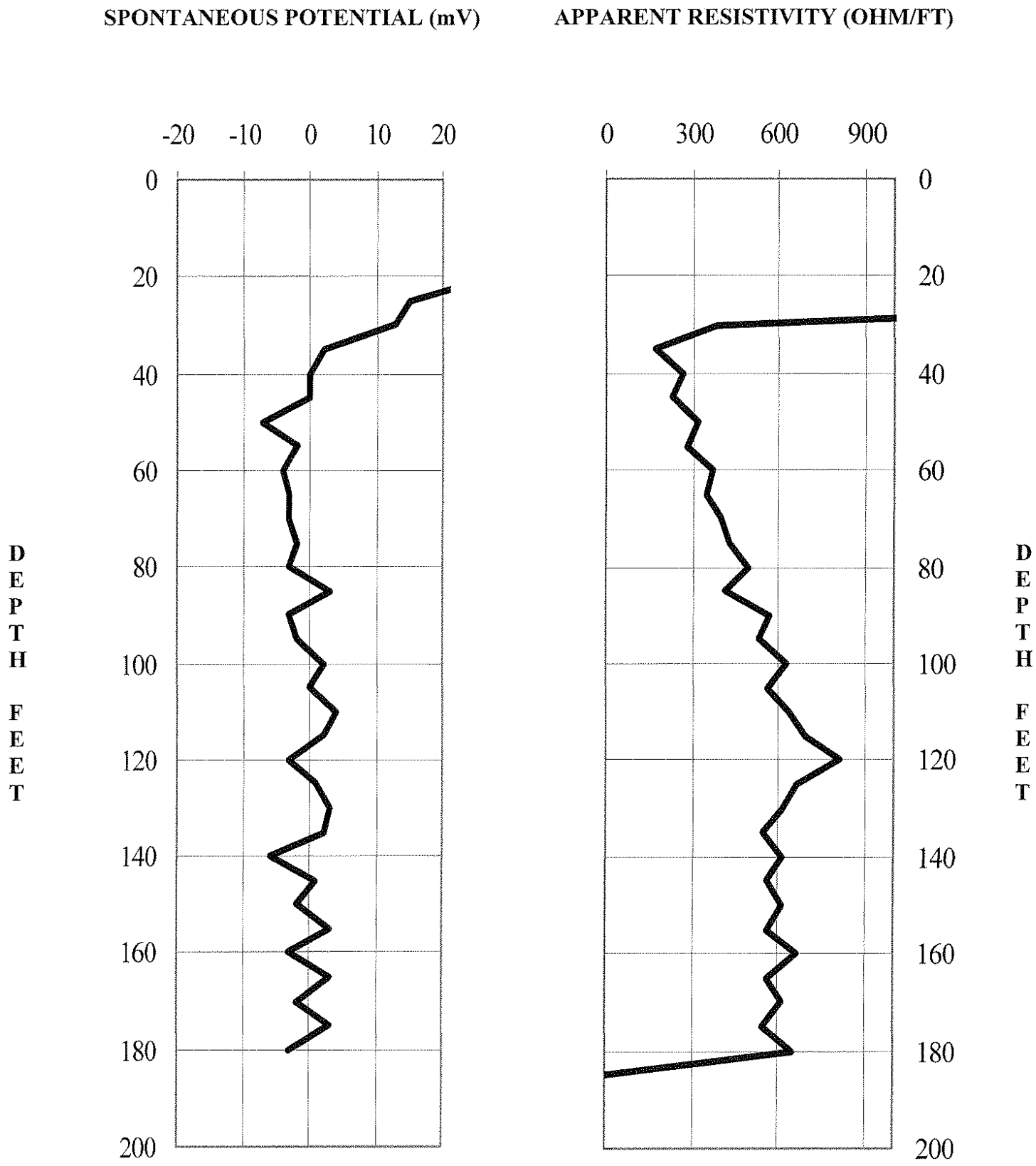
Protective Casing
Type Pedestal
Size 6"
Bumper

Water Level 9 ft

Bottom Of Boring 180 ft

Bottom Of Sample 180 ft

Map
N 44°11.513
W 89°14.891

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8/19/2005

LIESCH Hydrogeologists • Engineers • Environmental Scientists

6000 Gisholt Dr, Suite 203
Madison, WI 53713
(608) 223-1532

13400 15th Avenue N
Minneapolis, MN 55441
(612) 559-1423

2700 N Central Ave, Suite 890
Phoenix, AZ 85004
(602) 650-2815

| Wild Rose | June 05 |
|---|---|
| Electric Log of TH-4-05 | |

# WELL CONSTRUCTION
113A Rev. 7-98

TH#5-05

Well No. 93 | DNR Well ID No.

Date Well Installed ___/___/___ (m m d d y y y y)

Well Installed By: Name (first, last) and Firm
Robbie Terres
Mark J. Traut Wells, Inc.

T. 10 N. R. 10 E/W
Gov. Lot Number

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 6 in.
   b. Length: 7 ft.
   c. Material: Steel ☒ 04 Other ☐
   d. Additional protection? ☐ Yes ☒ No
      If yes, describe:
3. Surface seal: Bentonite ☐ 30 Concrete ☐ 01 Other ☒
   Neat cement
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒
   Neat Cement
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
   b. 15 Lbs/gal mud weight . . . Bentonite-sand slurry ☒ 35
   c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
   d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
   e. ___ ft³ volume added for any of the above
   f. How installed: Tremie ☐ 01 Tremie pumped ☒ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
   c. ___ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. #70 Badger
   b. Volume added 2 ft³
8. Filter pack material: Manufacturer, product name & mesh size
   a. #40 Red Flint
   b. Volume added ___ ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☐ 24
   Black Steel Other ☒
10. Screen material: Stainless Steel
    a. Screen type: Factory cut ☐ 11 Continuous slot ☐ 01
       wire-wrapped Other ☒
    b. Manufacturer Johnson
    c. Slot size: 0.018 in.
    d. Slotted length: ___ ft.
11. Backfill material (below filter pack): None ☐ 14 Other ☐

Formation Descriptions

| | | | | | |
|---|---|---|---|---|---|
| | GW ☐ | SW ☐ | SP ☐ | | |
| | MH ☐ | CL ☐ | CH ☐ | | |

Drilled? ☐ Yes ☐ No
Rotary ☒ 50
Hollow Stem Auger ☐ 41
Other ☐

Drilling Fluid Used: Water ☐ 02 Air ☐ 01
Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☒ Yes ☐ No
Describe Bentonite Drill Fluid

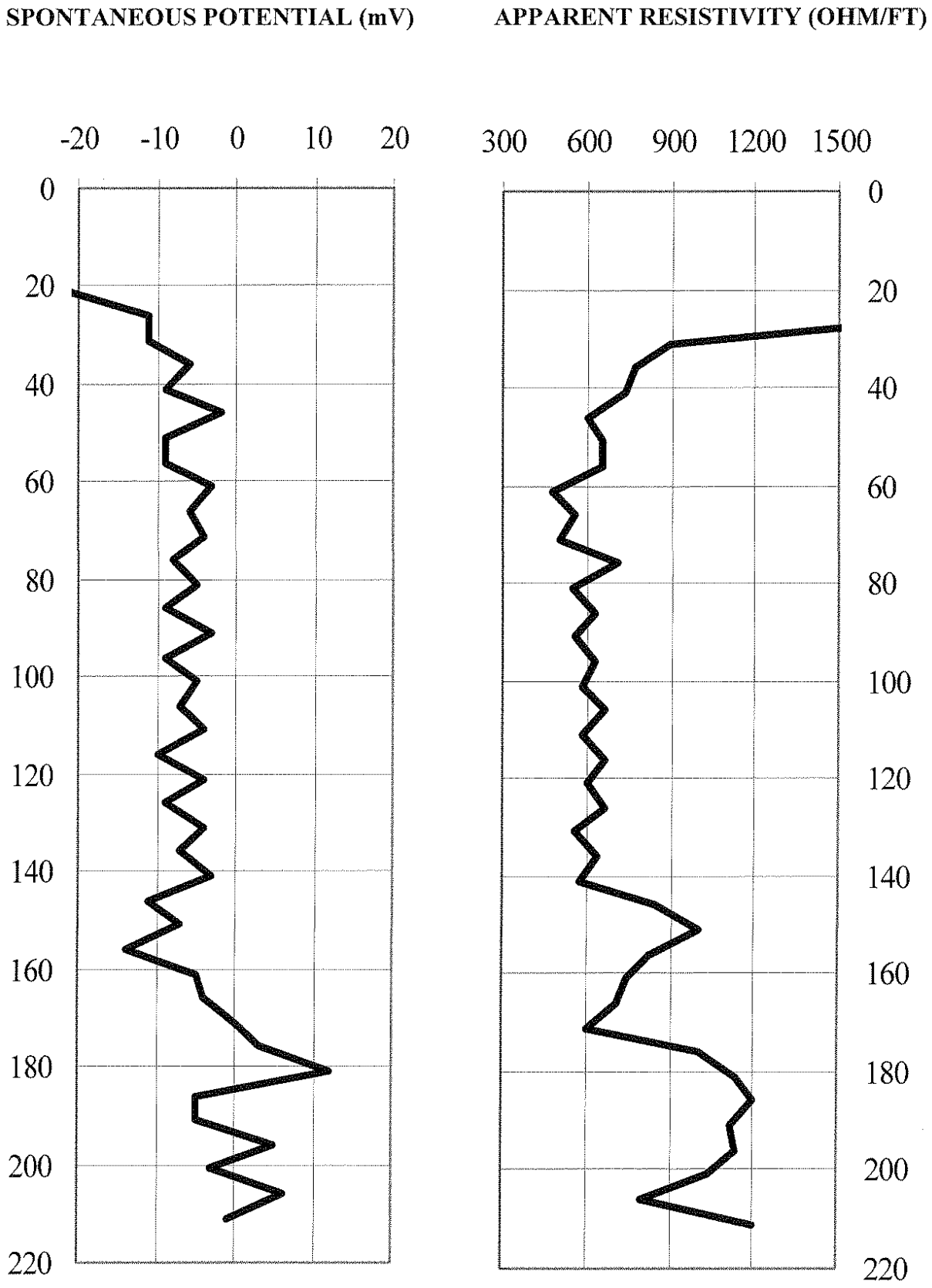
17. Sources of water (attach analysis, if required):

E. Bentonite seal, top 139 ft. MSL or ___ ft.
F. Fine sand, top 141 ft. MSL or ___ ft.
G. Filter pack, top 143 ft. MSL or ___ ft.
H. Screen joint, top 145 ft. MSL or ___ ft.
I. Well bottom 165 ft. MSL or ___ ft.
J. Filter pack, bottom 164 ft. MSL or ___ ft.
K. Borehole, bottom 218 ft. MSL or ___ ft.
L. Borehole, diameter 6 in.
M. O.D. well casing 2.36 in.
N. I.D. well casing 2.06 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Robbie Terres Firm

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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8/19/2005

LIESCH Hydrogeologists • Engineers • Environmental Scientists

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13400 15th Avenue N
Minneapolis, MN 55441
(612) 559-1423

2700 N Central Ave, Suite 890
Phoenix, AZ 85004
(602) 650-2815

| Wild Rose | June 05 |
|---|---|
| Electric Log of TH-5-05 | |

FIELD BORING LOG

FOR Leisch & Assoc
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER Robbie HELPER Kevin

JOB # 307216
BORING # TH # 5-05
DATE
UNIQUE # PF 093

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | 0-17 Brn Silty Sand 10 Slot |
| | 5 17-51 Brn Sand 25 Slot |
| | 51-153 Brn Sand 15 Slot |
| | 10 153-161 Brn Sand + Gravel 80 Slot |
| | 161-164 Brn Clay |
| | 15 164-208 Brn Sand 10 Slot |
| | 208-213 Brn Clay |
| | 20 213-218 Brn Sandy Clay |
| | 25 |
| | 30 |
| | 35 |
| | 40 |
| | 45 |
| | 50 |

Well Depth 165 ft
Drill Method Mud Rotary
Drill Fluid Bentonite

Screen Johnson
Type Stainless Steel
Slot .010
Diameter 2"
Set Between 145 ft & 165 ft

Casing Wheatland
Type Black Steel
Diameter 2"
Set Between +2 & 145 ft

Sand Pack #40
Type Red Flint
Set Between 143 ft & 166 ft

Seal #70 Badger 3/4 Bent. Chips
Type Sand
Set Between 141 ft & 143 ft Bags

Annular Space Sealant
Type Volclay
Set Between 5 ' & 141 ' Bags
neat cement 0 ' & 5 ' Bags 1
' & ' Bags

Protective Casing
Type Protap
Size 6"
Bumper

Water Level 16 ft

Bottom Of Boring 218

Bottom Of Sample 218

Map N 44° 11.575
W 89° 15.03

TH#6

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

# MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

| | | |
|---|---|---|
| Facility/Project Name: Wild Rose Fish Hatchery | Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W. | Well Name: TH#6 |
| Facility License, Permit or Monitoring No. | Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or | Wis. Unique Well No. / DNR Well ID No. |
| Facility ID | St. Plane ____ ft. N, ____ ft. E. S/C/N | Date Well Installed: 02/21/2005 (m m d d y y y y) |
| Type of Well: Well Code 1 | Section Location of Waste/Source: NE 1/4 of NE 1/4 of Sec. 24 T. 20 N. R. 10 ☒E ☐W | Well Installed By: Name (first, last) and Firm: Mark J Traut Wells, Inc; Robbie Torres |
| Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐ | Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known; Gov. Lot Number ____ | |

A. Protective pipe, top elevation 2.5 ft. MSL

B. Well casing, top elevation 2 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 3 ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☒ Yes ☐ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☒ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 134 ft. MSL or ____ ft.

F. Fine sand, top 141 ft. MSL or ____ ft.

G. Filter pack, top 143 ft. MSL or ____ ft.

H. Screen joint, top 145 ft. MSL or ____ ft.

I. Well bottom 155 ft. MSL or ____ ft.

J. Filter pack, bottom 160 ft. MSL or ____ ft.

K. Borehole, bottom 180 ft. MSL or ____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.36 in.

N. I.D. well casing 2.06 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: ____ ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐

4. Material between well casing and protective pipe: Cement; Bentonite ☐ 30; Other ☒

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☒ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ $ft^3$ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☒ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #70
b. Volume added 2 $ft^3$

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 12 $ft^3$

9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: Stainless Steel
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer ____
c. Slot size: ____ in.
d. Slotted length: ____ ft.

11. Backfill material (below filter pack): None ☐ 14; Other ☒
bentonite-cement grout 160-180

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Robbie Torres Firm: Traut Wells

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and laboratory. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

FIELD BORING LOG

FOR Liesch Associates
LOCATION Wild Rose Fish Hatchery
CITY Wild Rose WI
DRILLER Robbie HELPER Matt

JOB # 307216
BORING #
DATE 7-22-05
UNIQUE #

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | Sand 10 slot 0-14 |
| | Sand & Gravel 25 slot 14-81 |
| | Sand 10 slot 81-125 |
| | Clay 125-129 |
| | Sand 20 slot 129-138 |
| | Clay 138-141 |
| | Sand & Gravel 25 slot 141-165 |
| | Sand 10 slot 165-175 |
| | Clay 175-180 |

Well Depth 155'
Drill Method mud rotary
Drill Fluid

Screen
Type
Slot
Diameter
Set Between & 

Casing
Type
Diameter
Set Between &

Sand Pack
Type
Set Between &

Seal
Type
Set Between & Bags

Annular Space Sealant
Type
Set Between & Bags
& Bags
& Bags

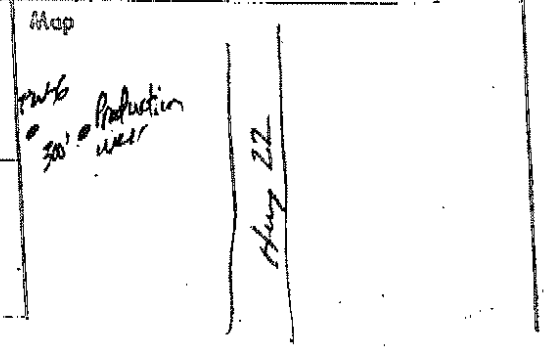
Protective Casing
Type
Size
Bumper

Water Level

Bottom Of Boring

Bottom Of Sample

Map



"117"

State of Wisconsin
Department of Natural Resources

**WELL/DRILLHOLE/BOREHOLE ABANDONMENT**
Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other _____

**(1) GENERAL INFORMATION**

WI Unique Well No. _____ DNR Well ID No. _____ County: Waushara

Common Well Name _____ Gov't Lot (If applicable) _____

Grid Location: NW 1/4 of NW 1/4 of Sec. 19 ; T. 20 N; R. 10 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment _____ WI Unique Well No. of Replacement Well _____

**(2) FACILITY / OWNER INFORMATION**

Facility Name: Wild Rose Fish Hatchery

Facility ID _____ License/Permit/Monitoring No. _____

Street Address of Well _____

City, Village, or Town _____

Present Well Owner: WE DNR Original Owner _____

Street Address or Route of Owner _____

City, State, Zip Code _____

**(3) WELL/DRILLHOLE/BOREHOLE INFORMATION**

Original Construction Date 7-21-05

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ (From groundsurface) Casing Diameter (in.) _____ Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 6"

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

**(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL**

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☐ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☐ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Bentonite | Surface | 180 | | |
| | | | | |
| | | | | |

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Robbie Trout Wells

Date of Abandonment _____

Signature of Person Doing Work: Robbie Trout

Date Signed: 7-21-05

Street or Route _____

Telephone Number: (320) 251-5090

City, State, Zip Code _____

FOR DNR OR COUNTY USE ONLY
Date Received _____ Noted By _____
Comments _____

FIELD BORING LOG

FOR: Liesch Associates
LOCATION: Wild Rose Fish Hatchery
CITY: Wild Rose WI
DRILLER: Robbie HELPER: Matt

JOB #: 307216
BORING #: TH #7
DATE: 7-22-05
UNIQUE #:

| BLOW COUNTS | VISUAL FIELD CLASSIFICATION |
|---|---|
| | Silty Sand 0-10 |
| 5 | Sand (10 slot) 10-28 |
| | Clay 28-120 |
| 10 | Silty Sand 120-142 |
| | Clay 142-146 |
| 15 | Silty Sand (5 slot) 146-170 |
| | Sand + Gravel (25 slot) 170-180' |
| 20 | |
| 25 | |
| 30 | |
| 35 | |
| 40 | |
| 45 | |
| 50 | |

Boring Depth: 180'
Drill Method: mud rotary
Drill Fluid:

Screen
Type:
Slot:
Diameter:
Set Between: & 

Casing
Type:
Diameter:
Set Between: &

Sand Pack
Type:
Set Between: &

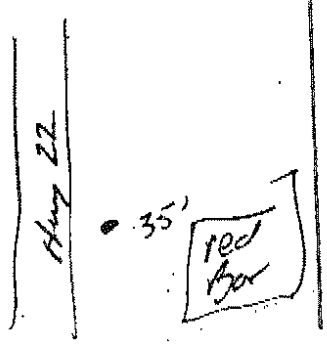
Seal
Type:
Set Between: & Bags

Annular Space Sealant
Type:
Set Between: & Bags
& Bags
& Bags

Protective Casing
Type:
Size:
Bumper:

Water Level:

Bottom Of Boring:

Bottom Of Sample:

Map