



920.326.5193 Randolph
800.321.5193 Toll Free
920.326.5209 Fax
P.O. Box 150
Randolph, WI 53956

608.251.4318 Madison
715.416.2372 Fredric, WI
608.574.0473 Dodgeville, WI
515.681.4497 Iowa

June 15, 2016

Jared Niewoehner
Wisconsin Department of Natural Resources
Private Water Systems Section
Bureau of Drinking Water and Ground Water
101 S Webster Street
P.O. Box 7921
Madison, WI 53707-7921

RE: High Capacity Well Application for John and Constance Bobek of Trembling Prairie Farms Inc., N2575 County Road B, Markesan, Wisconsin, Town of Marquette, Green Lake County.

Dear Jared:

On behalf of John and Constance Bobek, Sam's Well Drilling, Inc., proposes to construct a high-capacity well on land that they own. The proposed well will supply water for irrigation purposes on the property. The enclosed application is for this high-capacity well.

There are three other wells on the property at this time. One of the wells, the barn well, is scheduled to be filled and sealed very shortly as it is no longer in use. If you have any questions regarding this project, please contact me at (920) 326-5193.

Sincerely,

SAM'S WELL DRILLING, INC.

Jeff Kramer, P.G.
Hydrogeologist

Agent authorized to submit this application on behalf of the property owners, John and Constance Bobek .

www.samswelldrilling.com

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RESIDENTIAL, MUNICIPAL, IRRIGATION AND COMMERCIAL WATER WELL DRILLING WELL INSPECTIONS WELL ABANDONMENTS

Return completed forms to:

Wisconsin Department of Natural Resources
 Bureau of Drinking Water & Groundwater – DG/5
 PO Box 7921, Madison, WI 53707-7921
 dnr.wi.gov

**High Capacity, School or Wastewater Treatment Plant
 Well Approval Request**

Form 3300-295 (R 5/15)

Notice: Pursuant to §§ NR 812.09(4)(a) & (b), Wis. Adm. Code, prior Department of Natural Resources (DNR) approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells, a school well or a wastewater treatment plant well. This form is required to be completed to request approval for installation of a well or wells on a high capacity property, to modify a well on a high capacity property, or the construction or reconstruction of a school or wastewater treatment plant well. Personally identifiable information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law (s.19.31-19.39, Wis. Stats.).

Applicant Information

Name and Title <i>JEFF KRAMER / HYDROGEOLOGIST</i>		Company <i>SAM'S WELL DRILLING</i>	
Street Address <i>P.O. BOX 150</i>		City <i>RANDOLPH</i>	State <i>WI</i>
Phone Number (include area code) <i>920-326-5193</i>		Fax Number <i>920-326-5209</i>	Email Address <i>JEFFK@SAMSWELLDRIILLING.COM</i>
ZIP Code <i>53956</i>			

Owner Information (if different than applicant)

Name and Title <i>JOHN AND CONSTANCE BOBEK / OWNERS</i>		Company <i>JOHN AND CONSTANCE BOBEK LLC.</i>	
Street Address <i>N2575 COUNTY ROAD B</i>		City <i>MARKESAN</i>	State <i>WI</i>
Phone Number (include area code) <i>920-295-9072</i>		Fax Number	Email Address
ZIP Code <i>53946-7271</i>			

Operator Information (if different than owner)

Name and Title <i>JOHN BOBEK / OWNER</i>		Company <i>TREMBLING PRAIRIE FARMS, INC.</i>	
Street Address <i>N2575 COUNTY ROAD B</i>		City <i>MARKESAN</i>	State <i>WI</i>
Phone Number (include area code) <i>920-295-9072</i>		Fax Number	Email Address
ZIP Code <i>53946-7271</i>			

Submittal Purpose

Check all that apply

- Non-Potable Well(s) Potable Well(s) Requires Potable Attachments
- Install one or more new wells with a capacity greater than 70 gallons per minute.
- Install one or more new wells with a capacity less than 70 gallons per minute on a high capacity property.
- Replace one or more wells with a capacity greater than 70 gallons per minute.
- Replace one or more wells with a capacity less than 70 gallons per minute on a high capacity property.
- Reconstruct one or more wells with a capacity greater than 70 gallons per minute.
- Reconstruct one or more wells with a capacity less than 70 gallons per minute on a high capacity property.
- Increase pumping rate in one or more wells to a rate greater than previously approved.
- Renew a previous approval that has expired.
- Other (please describe: School, WWTP etc.) _____

Project Description

Provide a brief description of the proposed project including the number of potable wells to be installed. For non-potable wells include number of acres and expected crop rotation for agricultural irrigation wells. For potable wells serving livestock note if the facility is currently or plans to become a concentrated animal feeding operation (CAFO).

THE PROPOSED NON-POTABLE WELL WILL BE USED FOR IRRIGATION OF 562.63 ACRES. THE CROP ROTATION WILL BE ONIONS, CELERY AND POTATOES.

Required Enclosures

- High Capacity Well Application (Form 3300-295) Potable Attachment: if a proposed well is potable (Form 3300-295A)
- \$500 application fee (see s. 281.34 (2), Wis. Stats.) Aerial or Plat Map with property boundaries outlined
- Well Construction Reports (if available) for existing wells Variance Request, if needed (Form 3300-210)

**High Capacity, School or Wastewater Treatment Plant
Well Approval Request**

Form 3300-295 (R 5/15)

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Return completed forms to:

State of Wisconsin, Department of Natural Resources
 Bureau of Drinking Water & Groundwater – DG/5
 PO Box 7921, Madison, WI 53707-7921
 dnr.wi.gov

High Capacity, School or Wastewater Treatment Plant Well Approval Request

Form 3300-295 (R 5/15)

This form is used to request an approval for the construction or reconstruction of a well or wells on a high capacity property, to modify an existing well on a high capacity property, or the construction or reconstruction of a school or wastewater treatment plant well. The following information will be scanned and posted as a public record on our website. Return completed application to:

Wisconsin Department of Natural Resources
 Bureau of Drinking Water & Groundwater - DG/5
 PO Box 7921
 Madison, WI 53707-7921

Applicant Information

Name and Title: **JEFF KRAMER / HYDROGEOLOGIST** Company: **SAM'S WELL DRILLING**

Owner Information

Name and Title: **JOHN AND CONSTANCE BOBEK** Company: **TREMBLING PRAIRIE FARM**

County GREEN LAKE	Town 14 N	Range 11	<input checked="" type="radio"/> East <input type="radio"/> West	Section 1	High Capacity Well File No. (if applicable) 24-1-12
-----------------------------	---------------------	--------------------	---	---------------------	---

Yes No

- Is a proposed well within 1,200 feet of a landfill? Landfill location: (Township/Range/Section): T R S
- Are you aware of any existing well installations on the high capacity property that are out of compliance with Chapter NR 812, Wisconsin Administrative Code? If yes, attach a description of the non-complying wells.

Existing Well Information

Enter the following information for all existing wells on the property and any contiguous property owned by the applicant.
 Note: Applications are not complete unless they specify water use, pump capacities and GPS locations of existing wells.

Well Name and/or Number assigned by Owner	Water Use Code(s)	High Capacity Well Number	Pump Capacity (gpm)	Existing Well Coordinates Decimal Degrees Preferred (e.g. 45.1234, -89.1234)		WUWN or WCR Image File # (if known)
				Latitude	Longitude	
BARN WELL	LV20	NA	15	43.71646	89.13256	NA
HOUSE WELL	DS11	NA	15	43.71681	89.13213	NA
IRRIGATION WELL	IR10	10818	1200	43.71781	89.13481	AW121

Additional Project Information

Include any additional relevant information regarding this project such as existing wells to be abandoned, proposed non-standard construction methods or pending ownership changes

THE BARN WELL WILL BE FILLED AND SEALED.

High Capacity, School or Wastewater Treatment Plant Well Approval Request

Form 3300-295 (R 5/15)

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Proposed Well Information

Enter the following information for all proposed wells on the property. If more than two wells or alternate construction, submit additional sheets.

Well Location and Usage

Potable Non-Potable Potable Non-Potable

Well Name Assigned by Well Owner (North Well, etc.):	IRRIGATION WELL #2		
Town/Range/Section:	SE 1/4 NE 1/4 S 1 T 14N R 11E	1/4	1/4 S T R
Latitude :	43.725		
Longitude:	89.12692		
Water Use Code (e.g. IR10):	IR10		
Proposed Maximum Water Usage Per Day in Gallons:	1,440,000		
Proposed Maximum Water Usage Per Month in Gallons:	46,080,000		
Months of Operation (e.g. May - Sept):	MAY TO SEPTEMBER		
Proposed Pump Type & Capacity(gpm):	SUBMERSIBLE / 1000 GPM		
Discharge Type (Over Top of Casing Seal, Pitless Adapter or Unit):	OVER TOP OF CASING		
Discharge Location (Building Pressure Tank, Pond, etc.):	IRRIGATION SYSTEM		
Distance and Direction to Nearest Public Utility Well & Well Name:	1.5 MILES NORTH. VILLAGE OF MARQUETTE, ES 317		
Distance to Other Potential Contaminant Sources:	2 MILES NORTH WEST TOWN OF MARQUETTE LANDFILL		

Well Construction

Drilling Method(s) (Rotary, Percussion, Etc.):	ROTARY		
--	--------	--	--

Anticipated Geological Materials and Depths that are expected during drilling:

Material and Depth Interval:	MUCK	from 0 ' to 3 ' /	CLAY	from 145 ' to 153 ' /
Material and Depth Interval:	SAND	from 3 ' to 60 ' /	SANDSTONE	from 153 ' to 650 ' /
Material and Depth Interval:	CLAY	from 60 ' to 100 ' /		from ' to ' /
Material and Depth Interval:	SAND + GRAVEL	from 100 ' to 145 ' /		from ' to ' /

Drillhole Diameter and Anticipated Depth Intervals:

Diameter and Depth Interval:	16.0"	from 0 ' to 650 ' /		from 0 ' to ' /
Diameter and Depth Interval:		from ' to ' /		from ' to ' /

Permanent Casing or Liner Material , If Used:

Diameter and Wall Thickness:	16.0" dia 3/16" thick	from 0 ' to 153 ' /	" dia " thick	from 0 ' to ' /
Diameter and Wall Thickness:	" dia " thick	from ' to ' /	" dia " thick	from ' to ' /
Casing Material and Joints (Welded, T and C, etc.):	WELDED			
Weight at Depth Interval:	62.50 lbs/foot	0 ' to 153 ' /	lbs/foot	0 ' to ' /
Weight at Depth Interval:	lbs/foot	' to ' /	lbs/foot	' to ' /
Screen Material and Casing to Screen Joint (Welded, T and C, K Packer, etc.):	NA			
Screen Slot Size in Inches and Depth Interval or N/A if none:	NA	from ' to ' /		from ' to ' /

Annular Space Material Including Filter Pack Material, If Used:

Material and Depth Interval:	GRANULAR BENTONITE	0 ' to 153 ' /		0 ' to ' /
------------------------------	--------------------	----------------	--	------------

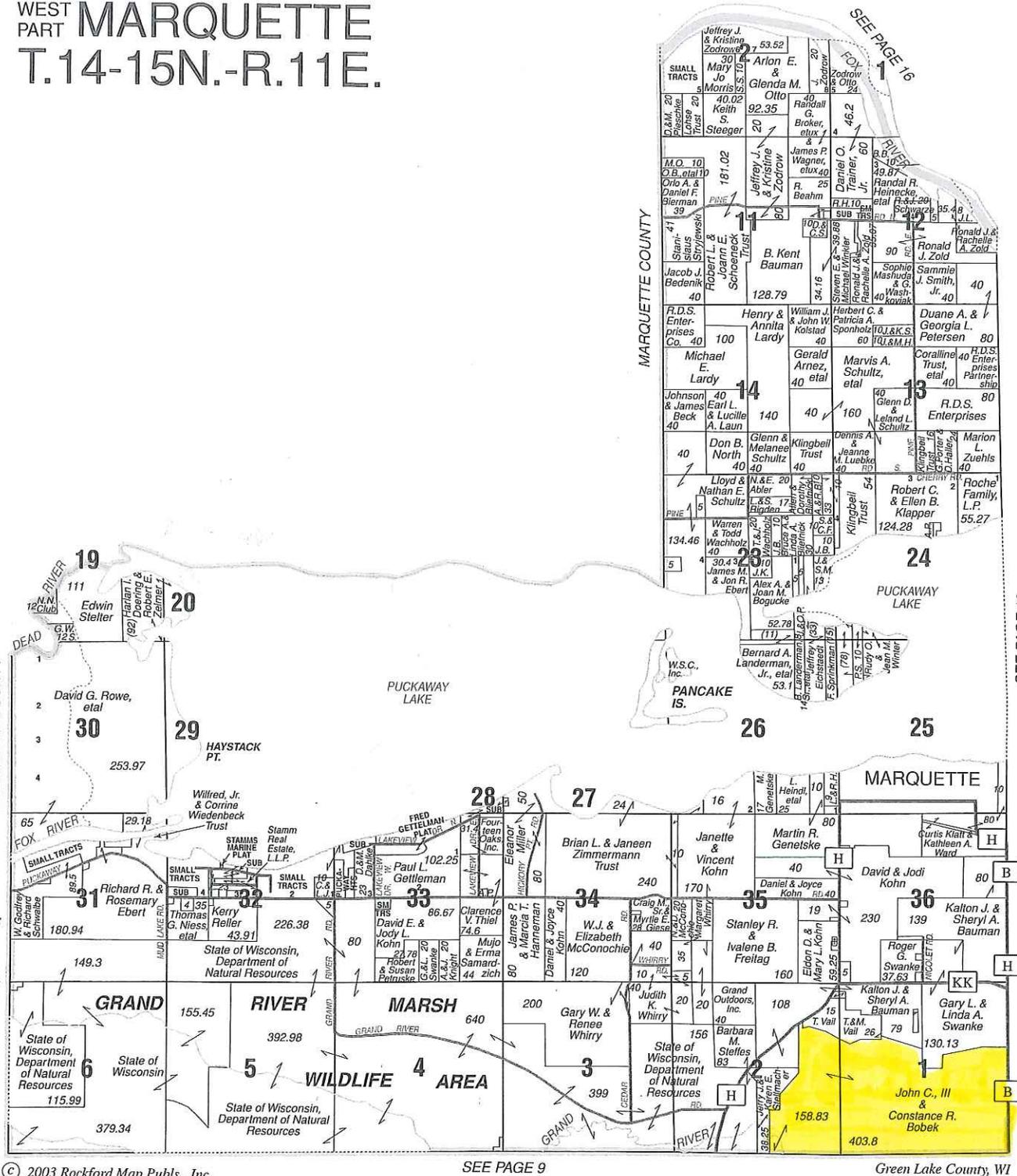
Applicant Signature

By signing this form, I certify that to the best of my knowledge, all information in the application is accurate and correct. I understand that unsigned or incomplete applications will not be approved.

Name - Print JEFF KRAMER	Select One: <input type="radio"/> Owner <input checked="" type="radio"/> Agent of Owner	
Signature 	Company SAM'S WELL DRILLING	Date 6/15/16

WEST PART **MARQUETTE**
T.14-15N.-R.11E.

N4800
N4400
N4000
N3600
N3200
N2800
N2400



© 2003 Rockford Map Pubs., Inc. SEE PAGE 9 Green Lake County, WI
W7300 W6900 W6500 W6100 W5700 W5300 W4900

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WELL CONSTRUCTOR'S REPORT
 Wel-6

JAN 6 1970

B76
 STATE OF WISCONSIN
 DEPARTMENT OF NATURAL RESOURCES
 Box 450
 Madison, Wisconsin 53701

WHITE COPY - DIVISION'S COPY
 GREEN COPY - DRILLER'S COPY
 YELLOW COPY - OWNER'S COPY

1. COUNTY Shrew Lake CHECK ONE Town Village City NAME Marquette

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block numbers when available.)
NW 1/4 of SE 1/4 of Sec. 1 T-14-N R-11-W

3. OWNER AT TIME OF DRILLING
Ted Vail

4. OWNER'S COMPLETE MAIL ADDRESS
Sun Prairie, Wis.

5. Distance in feet from well to nearest: BUILDING SANITARY SEWER FLOOR DRAIN FOUNDATION DRAIN WASTE WATER DRAIN
 (Record answer in appropriate block) C. I. TILE C. I. TILE SEWER CONNECTED INDEPENDENT C. I. TILE
unimproved lot

CLEAR WATER DRAIN SEPTIC TANK PRIVY SEEPAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE
 C. I. TILE

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Future Home.

7. DRILLHOLE						10. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	20	6	110	200	Sandy topsoil	Surface	10	
8	20	110				Hardpan	10	83	
						Sand	83	108	
						Sand Rock	108	200	

8. CASING, LINER, CURBING, AND SCREEN			
Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	New 1 1/2 Blk Pipe	Surface	110
	18-97 New Steel		
280 wall	Plain End		
	Welded joint		
	Rotary Method		

9. GROUT OR OTHER SEALING MATERIAL		
Kind	From (ft.)	To (ft.)
Bentonite Drill Cuttings	Surface	110

11. MISCELLANEOUS DATA

Yield test: 3 Hrs. at 40 GPM Well is terminated 8 inches above below final grade

Depth from surface to normal water level 4 ft. Well disinfected upon completion Yes No

Depth to water level when pumping 69 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on: Oct. 22 1969

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Sam Vander Salinger Registered Well Driller COMPLETE MAIL ADDRESS R# 2 Randolph, Wis., 53956

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
1550				

Owner 3522 001
 JOHN C AND CONSTANCE R BOBEK LLC
 N2575 COUNTY RD B
 MARKESAN WI 53946
 Phone 920 394 3882

Operator 133777 001
 TREMBLING PRAIRIE FARMS INC
 N2575 COUNTY RD B
 MARKESAN WI 53946
 Phone 920 394 3882

LOCATION
 Region **Northeast Region**
 MajorBasin **Lake Michigan**
 County **Green Lake** Civil Town **MARQUETTE**

Govt Lot _____ or **SW** 1/4 of the **SE** 1/4
 Sec. **1**, T _____, Rg. **11** E/W **E**

Street _____
 Mailing City _____
 File Location **24 - 1 - 12**
 PWS ID _____

Well Numbers High Cap # **10814**
 WUWN WCR
 WUWN GRN
 Image file

Approved Capacity **1,200 GPM**
 Normal Pumpage **864,000GPD**
 Max pumpage **1,728,000GPD**
 Status **ACTIVE**

Approved **07/05/1988**
 Completed **10/01/1988**
 WaterUse **Agricultural irrigation**

General Well Information Drilled by: **SAMS ROTARY DRILLERS** 370 Gravel Pack Screened? **N**
 Total Depth ft **530.0** Drill Method: **Rotary-air with Drilling Mud** Co Apprvl # **12** Screen Type _____
 Feet to rock **153.0** Aquifer **Sand/Gravel** Seal Material **Drilling Mud and Cuttings**
 First Rock is **Maquoketa** Multiple Aquifers? **N**

Additional Geology Information. (Note Diameters are in inches, lengths, thickness & depths are in feet.)

Formation Thickness		Upper Drillhole Diameter		Screen Diameter	
Surface Sand	102.0	Upper Drillhole Diameter	12.3	Screen Length	
Surface Clay	51.0	Upper Drillhole Depth-Ft	410.0	Sealing Material Depth	154.0
Devonian		Lower Drillhole Diameter	8.8	Hours of Yield Test	2.0
Silurian		Lower Drillhole Length	120.0	GPM of Yield Test	850.0
Maquoketa		More than 2 Drillholes?	Y	Static Water (feet)	0
Sinnippe		Primary Casing Diameter		Pumping Water Level (ft)	89
Ancell		Primary Casing Depth	154.0	Specific Capacity(GPM/Ft)	9.6
Prairie du Chien		Liner Casing Diameter	14.0	WGNS Log No.	
Cambrian	377.0	Liner Casing Length			
Precambrian		Liner Casing Depth			

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WISCONSIN UNIQUE WELL NUMBER
SOURCE: WELL CONSTRUCTION **AW121**

State of Wi-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707
Form 3300-77A
(Rev 12/00)

Property Owner **TED VAIL** Telephone Number - -

Depth **530** FT

Mailing Address 1836 WISCONSIN

1. Well Location
T T=Town C=City V=Village
of **MARQUETTE** Fire#

City **SUN PRAIRIE** State **WI** Zip Code **53590**

Street Address or Road Name and Number

County of Well Location **24 GREEN LAKE NE** Co Well Permit No **W** Well Completion Date **October 1, 1988**

Subdivision Name Lot# Block #

Well Constructor **SAMS ROTARY** License # **370** Facility ID (Public)

Gov't Lot or **SW** 1/4 of **SE** 1/4 of

Address **P O BOX 150** Public Well Plan Approval#

Section **1** T **14** N R **11** E

City **RANDOLPH** State **WI** Zip Code **53956** Date Of Approval

2. Well Type **1** 1=New
2=Replacement (See item 12 below)
3=Reconstruction
GRN Status

Hicap Well # Common Well # **9.6** gpm/ft

of previous unique well # _____ constructed in **0**

3. Well Serves # of homes and or **IRRIGATION** High Capacity: Well? **Y** Property? **Y**

Reason for replaced or reconstructed Well?
IRRIGATION

P M=Munic O=OTM N=NonCom P=Private Z=Other
X=NonPot A=Anode L=Loop H=Drillhole

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? **Y**

- Well located in floodplain? **N**
- Distance in feet from well to nearest: (including proposed)
 - 1. Landfill
 - 2. Building Overhang
 - 3. 1=Septic 2= Holding Tank
 - 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. 1=Shoreline 2= Swimming Pool
- 9. Downspout/ Yard Hydrant
- 10. Privy
- 11. Foundation Drain to Clearwater
- 12. Foundation Drain to Sewer
- 13. Building Drain
 - 1=Cast Iron or Plastic 2=Other
- 14. Building Sewer 1=Gravity 2=Pressure
 - 1=Cast Iron or Plastic 2=Other
- 15. Collector Sewer: ___ units ___ in. diam.
- 16. Clearwater Sump
- 17. Wastewater Sump
- 18. Paved Animal Barn Pen
- 19. Animal Yard or Shelter
- 20. Silo
- 21. Barn Gutter
- 22. Manure Pipe 1=Gravity 2=Pressure
 - 1=Cast iron or Plastic 2=Other
- 23. Other manure Storage
- 24. Ditch
- 25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

From		To		Upper Enlarged Drillhole	Lower Open Bedrock
Dia.(in.)	(ft)	(ft)		X	
17.5	surface	154		X -- 1. Rotary - Mud Circulation -----	
				X -- 2. Rotary - Air -----	
12.3	154	410		-- 3. Rotary - Air and Foam -----	
				-- 4. Drill-Through Casing Hammer	
8.8	410	530		-- 5. Reverse Rotary	
				-- 6. Cable-tool Bit ___ in. dia -----	
				-- 7. Temp. Outer Casing ___ in. dia. ___ depth ft. Removed?	
				Other	

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
<u>U</u>	MUCK	0	3
<u>S</u>	SAND	3	60
<u>C</u>	CLAY	60	100
<u>SG</u>	SAND GRAVEL	100	145
<u>C</u>	CLAY	145	153
<u>N</u>	SAND ROCK	153	530

6. Casing Liner Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
14.0	.375 WALL WELD JTS A-120 V.S.P.	surface	154

9. Static Water Level
0.0 feet **B** ground surface
A=Above B=Below

11. Well Is: **A** Grade
18 in. A=Above B=Below

Dia.(in.)	Screen type, material & slot size	From	To

10. Pump Test
Pumping level 89.0 ft. below surface
Pumping at 850.GP 2.00Hrs

Developed? **Y**
Disinfected? **Y**
Capped? **Y**

7. Grout or Other Sealing Material #

12. Did you notify the owner of the need to permanently abandon and fill all

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