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

DRINKING WATER & GW

Non-Potable High Capacity Well
Approval Request

Form 3300-295 (R 5/14)

Page 1 of 4

Notice: Prior department approval is required for the construction, reconstruction or operation of a non-potable high capacity well or system of non-potable high capacity wells in accordance with Section NR 812.09(4)(a), Wis. Adm. Code. Use this form to request an approval for installation of a well or wells on a high capacity property or to modify a well on a high capacity property. 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.).

1. Applicant Information

Owner (Name of Person and Title) Paul Roberts, President		Company Roberts Irrigation Company, Inc.	
Street Address PO Box 490, 1500 Post Road		City Plover	State WI
Phone Number (include area code) 715 344 4747		Fax Number 715 344 4505	ZIP Code 54467
		Email Address proberts@callroberts.com	

2. Owner Information (if different than applicant)

Owner (Name of Person and Title)		Company Mortenson Bros. Farms	
Street Address PO Box 158		City Plainfield	State WI
Phone Number (include area code)		Fax Number	ZIP Code 54966
		Email Address	

3. Operator Information

Operator, if different than owner (Name of Person and Title) Same		Company	
Street Address		City	State ZIP Code
Phone Number (include area code)		Fax Number	Email Address

4. Submittal Purpose

Check all that apply

- 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, explain

5. Project Description

Provide a brief description of the proposed project. Include number of acres and expected crop rotation for agricultural irrigation wells. Add a well to provide an adequate amount of available water to meet crop demands.

6. Required Enclosures

- Non-Potable High Capacity Well Application Form.
- Aerial or Plat Map with property boundaries outlined.
- Variance Request, if needed (Form 3300-210)
- \$500 application fee (See s. 281.34 (2), Wis. Stats.)
- Well Construction Reports (if available) for existing wells.

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Non-Potable High Capacity Well Approval Request

Form 3300-295 (R 5/14)

Page 3 of 4

Notice: Prior department approval is required for the construction, reconstruction or operation of a non-potable high capacity well or system of non-potable high capacity wells in accordance with Section NR 812.09(4)(a), Wis. Adm. Code. Use this form to request an approval for installation of a well or wells on a high capacity property or to modify a well on a high capacity property. 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	
Application Prepared By (Name and Title) Paul Roberts, President	Company Roberts Irrigation Company, Inc.

Property Information	
Property owner, if different than applicant (Name of Person and Title)	Company

County Waushara	Town 20 N	Range 08	<input checked="" type="radio"/> East <input type="radio"/> West	Section 21	High Capacity Well File No. (if applicable) 70-1-48
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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, please 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	
	IR10	36380	1000			BD878
	DS11	4595	20			TB489
	IR10	70035	1000			US622
	IR10	1011	1000			GF572
	IR10	1012	1000			GF573
	IR10	36668	1000			BE146

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

Non-Potable High Capacity Well Approval Request

Form 3300-295 (R 5/14)

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

Well Name Assigned by Well Owner (North Well, etc.):	Castor New				
Town/Range/Section:	CT ¼ SW ¼ 21 S 20 T 08 RE	¼	¼	S	T R
Latitude :	44.1880				
Longitude:	89.5578				
Water Use Code (e.g. IR10):	IR10 Agricultural irrigation				
Proposed Maximum Water Usage Per Day in Gallons:	1440000				
Proposed Maximum Water Usage Per Month in Gallons:	43200000				
Months of Operation (e.g. May - Sept):	April-October				
Proposed Pump Type & Capacity(gpm):	Turbine, 1000gpm				
Discharge Type (Over Top of Casing Seal, Pitless Adapter or Unit):	Top				
Discharge Location (Building Pressure Tank, Pond, etc.):	Center Pivot				
Distance and Direction to Nearest Public Utility Well & Well Name:					
Distance to Other Potential Contaminant Sources:					

Well Construction

Drilling Method(s) (Rotary, Percussion, Etc.):	Dual Rotary				
Anticipated Geological Materials and Depths that are expected during drilling:					
Material and Depth Interval:	sand & Gravel	from 0 ' to 100 ' to		from 0 ' to ' to	
Material and Depth Interval:		from ' to ' to		from ' to ' to	
Material and Depth Interval:		from ' to ' to		from ' to ' to	
Material and Depth Interval:		from ' to ' to		from ' to ' to	

Drillhole Diameter and Anticipated Depth Intervals:

Diameter and Depth Interval:	16	from 0 ' to 100 ' to		from 0 ' to ' to	
Diameter and Depth Interval:		from ' to ' to		from ' to ' to	

Permanent Casing or Liner Material , if Used:

Diameter and Wall Thickness	16 " dia .375 " thick	from 0 ' to 70 ' to	" dia " thick	from 0 ' to ' to	
Diameter and Wall Thickness	" dia " thick	from ' to ' to	" dia " thick	from ' to ' to	
Diameter and Wall Thickness	" dia " thick	from ' to ' to	" dia " thick	from ' to ' to	
Diameter and Wall Thickness	" dia " thick	from ' to ' to	" dia " thick	from ' to ' to	
Casing Material and Joints (Welded, T and C, etc.):	Steel, welded				
Weight at Depth Interval	lbs/foot	0 ' to ' to	lbs/foot	0 ' to ' to	
Weight at Depth Interval	lbs/foot	' to ' to	lbs/foot	' to ' to	
Screen Material and Casing to Screen Joint (Welded, T and C, K Packer, etc.)	Galv. Steel -k-packer				
Screen Slot Size in Inches and Depth Interval or N/A if none:	40 slot Johnson	from 70 ' to 100 ' to		from ' to ' to	

Annular Space Material Including Filter Pack Material, If Used:

Material and Depth Interval:	mounded bentonite	/ 0 ' to 30 ' to		/ 0 ' to ' to	
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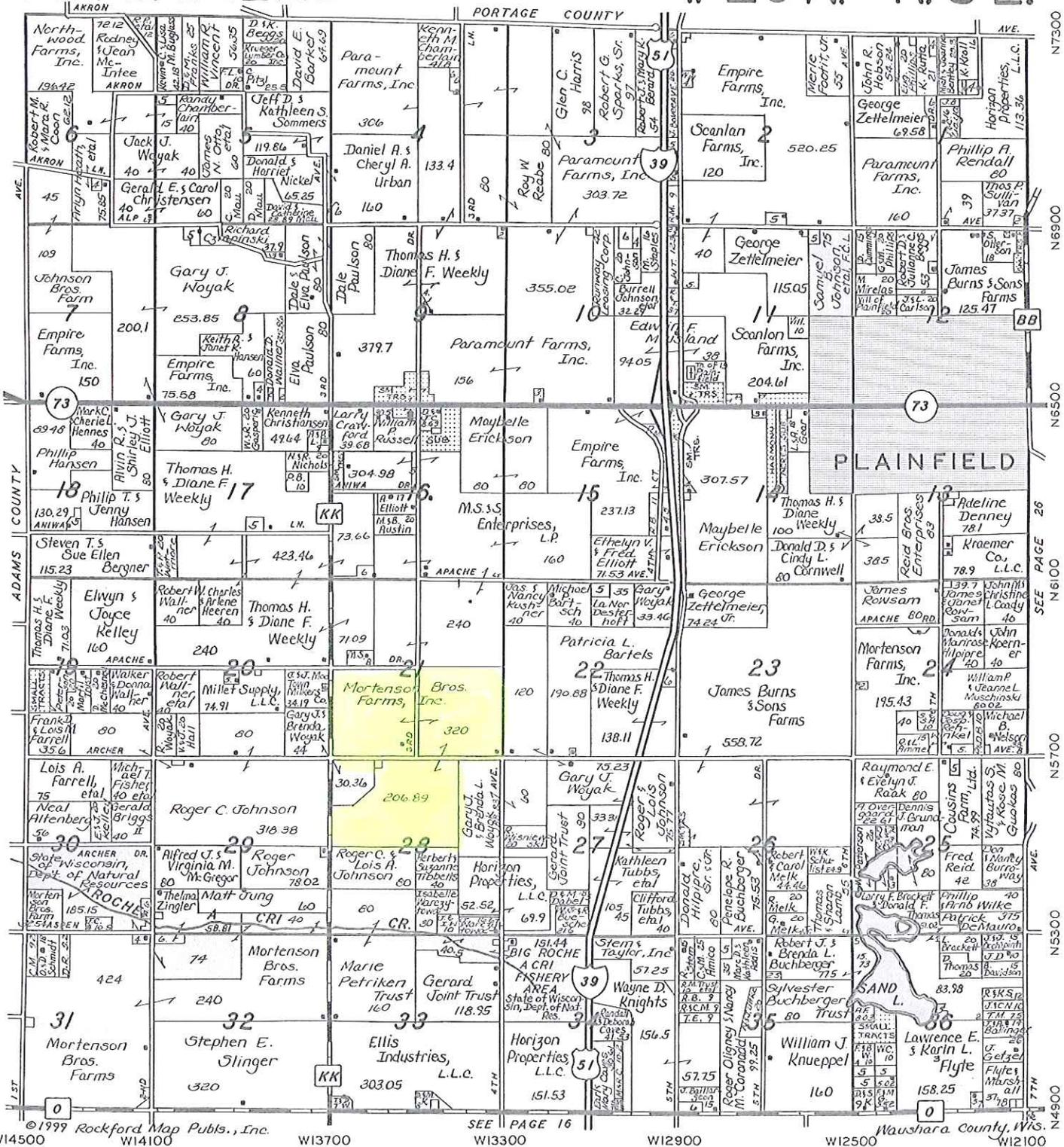
Applicant Signature

Name - Print	Paul Roberts		Select One:	<input type="radio"/> Owner	<input checked="" type="radio"/> Agent of Owner
Signature		Company	Roberts Irrigation	Date	10-3-16

By signing this form, the person certifies that to the best of his or her knowledge, all information in the application is accurate and correct. Unsigned or incomplete applications will not be approved

PLAINFIELD

T. 20 N. - R. 8 E.



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SEE PAGE 16

Waushara County, Wis.

ROBERTS Irrigation Company, Inc.

1500 POST ROAD • P.O. BOX 490
PLOVER, WISCONSIN 54467-0490

(800) 434-5224
(715) 344-4747
Fax: (715) 344-4505

★ WISCONSIN'S ONLY FULL SERVICE
IRRIGATION COMPANY ★



Owner 30 018
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

LOCATION
 Region Northeast Region
 MajorBasin Mississippi River
 County Waushara Civil Town PLAINFIELD

Govt Lot _____ or SE 1/4 of the SW 1/4
 Sec. 21, T 20, Rg. 8 E/W E

Street _____
 Mailing City _____
 File Location 70 - 1 - 48
 PWS ID _____

Operator 30 018
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

Well Numbers High Cap # 36380
 WUWN WCR
 WUWN GRN BD878
 Image file

Approved Capacity 1,000 GPM
 Normal Pumpage 720,000GPD
 Max pumpage 1,440,000GPD
 Status APPROVED

Approved 06/20/1962
 Completed 04/03/1962
 WaterUse Agricultural irrigation

General Well Information Drilled by: WISC PUMP SERV INC 9999 Gravel Pack Y
 Total Depth ft 70.0 Drill Method: Co Apprvl # 48 Screened? y
 Feet to rock Aquifer Sand/Gravel Screen Type
 First Rock is Unconsolidated Sand Multiple Aquifers? N Seal Material Native Formations

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

Formation Thickness		
Surface Sand 70.0	Upper Drillhole Diameter 32.0	Screen Diameter 18.0
Surface Clay	Upper Drillhole Depth-Ft 70.0	Screen Length 30.0
Devonian	Lower Drillhole Diameter	Sealing Material Depth 20.0
Silurian	Lower Drillhole Length	Hours of Yield Test 3.0
Maquoketa	More than 2 Drillholes? N	GPM of Yield Test 900.0
Sinnippe	Primary Casing Diameter	Static Water (feet) 5
Ancell	Primary Casing Depth 40.0	Pumping Water Level (ft) 20
Prairie du Chien	Liner Casing Diameter 18.0	Specific Capacity(GPM/Ft) 60.0
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.

Owner	30	059
MORTENSON BROTHERS FARM INC		
PO BOX 158		
PLAINFIELD	WI	54966
Phone 715 335 4912		

LOCATION	
Region	Northeast Region
MajorBasin	Mississippi River
County	Waushara
Civil Town	PLAINFIELD
Govt Lot _____ or SE 1/4 of the SW 1/4	
Sec. 21, T 20, Rg. 8 EW E	
Street	
Mailing City	
File Location 70 - 1 - 48	
PWS ID	

Operator	30	059
MORTENSON BROTHERS FARM INC		
PO BOX 158		
PLAINFIELD	WI	54966
Phone 715 335 4912		

Well Numbers	High Cap #	4595
WUWN WCR	TB489	
WUWN GRN	TB489	
Image file		

Approved Capacity	20 GPM
Normal Pumpage	,000GPD
Max pumpage	1,000GPD
Status	APPROVED

Approved	10/29/2004
Completed	09/26/2006
WaterUse	Privt/single residence

General Well Information	Drilled by: ROBERTS IRRIGATION	3262	Gravel Pack	Y
Total Depth ft	84.0	Drill Method:	Co Apprvl #	48
Feet to rock		Aquifer Sand/Gravel	Screen Type	
First Rock is		Multiple Aquifers?	Seal Material	Native Formations
			Screened?	Y

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

Formation Thickness		
Surface Sand	Upper Drillhole Diameter	Screen Diameter 6.0
Surface Clay	Upper Drillhole Depth-Ft	Screen Length 4.0
Devonian	Lower Drillhole Diameter 9.0	Sealing Material Depth 64.0
Silurian	Lower Drillhole Length 84.0	Hours of Yield Test 2.0
Maquoketa	More than 2 Drillholes?	GPM of Yield Test 17.0
Sinnippe	Primary Casing Diameter	Static Water (feet) 15
Ancell	Primary Casing Depth 80.0	Pumping Water Level (ft) 28
Prairie du Chien	Liner Casing Diameter 6.0	Specific Capacity(GPM/Ft) 1.3
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.

Owner 30 060
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

LOCATION
 Region Northeast Region
 MajorBasin Mississippi River
 County Waushara Civil Town PLAINFIELD

Govt Lot _____ or SE 1/4 of the SE 1/4
 Sec. 21, T _____, Rg. 8 E/W E

Street _____
 Mailing City _____
 File Location 70 - 1 - 48
 PWS ID _____

Operator 30 060
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

Well Numbers High Cap # 70035
 WUWN WCR US622
 WUWN GRN US622
 Image file

Approved Capacity 1,000 GPM
 Normal Pumpage 720,000GPD
 Max pumpage 1,440,000GPD
 Status APPROVED with

Approved 10/23/2008
 Completed 10/29/2008
 WaterUse Agricultural irrigation

General Well Information Drilled by: ROBERTS IRR CO 3262 Gravel Pack Y
 Total Depth ft 100.0 Drill Method: Co Apprvl # 48 Screened? y
 Feet to rock Aquifer Sand/Gravel Screen Type
 First Rock is Multiple Aquifers? Seal Material Drilling Mud and Cuttings

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

Formation Thickness		
Surface Sand	Upper Drillhole Diameter	Screen Diameter 16.0
Surface Clay	Upper Drillhole Depth-Ft	Screen Length 30.0
Devonian	Lower Drillhole Diameter 30.0	Sealing Material Depth 58.0
Silurian	Lower Drillhole Length 100.0	Hours of Yield Test 1.0
Maquoketa	More than 2 Drillholes?	GPM of Yield Test 800.0
Sinnippe	Primary Casing Diameter	Static Water (feet) 6
Ancell	Primary Casing Depth 70.0	Pumping Water Level (ft) 39
Prairie du Chlen	Liner Casing Diameter 16.0	Specific Capacity(GPM/Ft) 24.2
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.

Owner	30	045
MORTENSON BROTHERS FARM INC		
PO BOX 158		
PLAINFIELD	WI	54966
Phone 715 335 4912		

LOCATION	
Region	Northeast Region
MajorBasin	Mississippi River
County	Waushara
Civil Town	PLAINFIELD
Govt Lot _____ or SW 1/4 of the NW 1/4	
Sec. 28	, T 20, Rg. 8 E/W E
Street	
Mailing City	
File Location 70 - 1 - 48	
PWS ID	

Operator	30	045
MORTENSON BROTHERS FARM INC		
PO BOX 158		
PLAINFIELD	WI	54966
Phone 715 335 4912		

Well Numbers	High Cap #	1011
WUWN WCR	GF572	
WUWN GRN	GF572	
Image file		

Approved Capacity	1,000 GPM
Normal Pumpage	720,000GPD
Max pumpage	1,440,000GPD
Status	APPROVED with

Approved	04/27/1993
Completed	05/05/1993
WaterUse	Agricultural irrigation

General Well Information	Drilled by: ROBERTS IRRIGATION	3262	Gravel Pack Y
Total Depth ft	85.0	Drill Method: Reverse Rotary	Co Apprvl # 48
Feet to rock		Aquifer Sand/Gravel	Screen Type Wound Wire
First Rock is	Unconsolidated Sand	Multiple Aquifers? N	Seal Material Native Formations
			Screened? y

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

Formation Thickness		
Surface Sand 85.0	Upper Drillhole Diameter 30.0	Screen Diameter 16.0
Surface Clay	Upper Drillhole Depth-Ft 85.0	Screen Length 20.0
Devonian	Lower Drillhole Diameter	Sealing Material Depth 46.0
Silurian	Lower Drillhole Length	Hours of Yield Test
Maquoketa	More than 2 Drillholes? N	GPM of Yield Test
Sinnippe	Primary Casing Diameter	Static Water (feet) 7.5
Ancell	Primary Casing Depth 65.0	Pumping Water Level (ft)
Prairie du Chien	Liner Casing Diameter 16.0	Specific Capacity(GPM/Ft)
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.

Owner 30 047
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

LOCATION
 Region Northeast Region
 MajorBasin Mississippi River
 County Waushara Civil Town PLAINFIELD

Govt Lot _____ or NW 1/4 of the NE 1/4
 Sec. 28 , T 20 , Rg. 8 EW E

Street _____
 Mailing City _____
 File Location 70 - 1 - 48
 PWS ID _____

Operator 30 047
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

Well Numbers High Cap # 1012
 WUWN WCR GF573
 WUWN GRN GF573
 Image file

Approved Capacity 1,000 GPM
 Normal Pumpage 720,000GPD
 Max pumpage 1,440,000GPD
 Status APPROVED with

Approved 04/27/1993
 Completed 05/07/1993
 WaterUse Agricultural irrigation

General Well Information Drilled by: ROBERTS IRRIGATION 3262 Gravel Pack Y
 Total Depth ft 84.0 Drill Method: Reverse Rotary Co Apprvl # 48 Screened? y
 Feet to rock Aquifer Sand/Gravel Screen Type Wound Wire
 First Rock is Unconsolidated Sand Multiple Aquifers? N Seal Material Native Formations

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

Formation Thickness		
Surface Sand 84.0	Upper Drillhole Diameter 30.0	Screen Diameter 16.0
Surface Clay	Upper Drillhole Depth-Ft 84.0	Screen Length 20.0
Devonian	Lower Drillhole Diameter	Sealing Material Depth 46.0
Silurian	Lower Drillhole Length	Hours of Yield Test
Maquoketa	More than 2 Drillholes? N	GPM of Yield Test
Sinnippe	Primary Casing Diameter	Static Water (feet) 7.5
Ancell	Primary Casing Depth 64.0	Pumping Water Level (ft)
Prairie du Chien	Liner Casing Diameter 16.0	Specific Capacity(GPM/Ft)
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.

Owner 30 046
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

LOCATION
 Region Northeast Region
 MajorBasin Mississippi River
 County Waushara Civil Town PLAINFIELD

Govt Lot _____ or NW 1/4 of the NE 1/4
 Sec. 28, T _____, Rg. 8 E/W E

Street _____
 Mailing City _____
 File Location 70 - 1 - 48
 PWS ID _____

Operator 30 046
 MORTENSON BROTHERS FARM INC
 PO BOX 158
 PLAINFIELD WI 54966
 Phone 715 335 4912

Well Numbers High Cap # 36668
 WUWN WCR
 WUWN GRN BE146
 Image file

Approved Capacity 1,000 GPM
 Normal Pumpage 720,000GPD
 Max pumpage 1,440,000GPD
 Status APPROVED

Approved 05/19/1981
 Completed 06/27/1967
 WaterUse Agricultural irrigation

General Well Information Drilled by: HAUPT, SYLVESTER 489 Gravel Pack Y
 Total Depth ft 92.0 Drill Method: Co Apprvl # 48 Screened? Y
 Feet to rock 0.0 Aquifer Sand/Gravel Screen Type
 First Rock is Multiple Aquifers? N Seal Material

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

Formation Thickness		
Surface Sand	Upper Drillhole Diameter	Screen Diameter
Surface Clay	Upper Drillhole Depth-Ft	Screen Length
Devonian	Lower Drillhole Diameter	Sealing Material Depth
Silurian	Lower Drillhole Length	Hours of Yield Test
Maquoketa	More than 2 Drillholes? N	GPM of Yield Test
Sinnippe	Primary Casing Diameter	Static Water (feet)
Ancell	Primary Casing Depth	Pumping Water Level (ft)
Prairie du Chien	Liner Casing Diameter	Specific Capacity(GPM/Ft)
Cambrian	Liner Casing Length	
Precambrian	Liner Casing Depth	WGNHS Log No.