

Wells Table

A	B	C	D	E	F	G
Well ID	Legal Description	Municipality	Description of well location UTM	Source of well location information	Status	Comments
72033	NE-16-8-6W	Grey	556586N, 5501303E	GWDrill	To be decommissioned	
9358	SW-15-8-6W	Grey	557431N, 5500503E	GWDrill	Unknown	
10747	SW-15-8-6W	Grey	557431N, 5500503E	GWDrill	Unknown	
80093	SW-15-8-6W	Grey	557431N, 5500503E	GWDrill	Unknown	
80098	SW-15-8-6W	Grey	557431N, 5500503E	GWDrill	Unknown	
168277	SW-15-8-6W	Grey	557434N, 5500493E	GWDrill	Unknown	
63611	NW-10-8-6W	Grey	557439N, 5499650E	GWDrill	Unknown	
63604	SE-8-8-6W	Grey	554971N, 5498836E	GWDrill	Active	
66701	SW-5-8-6W	Grey	554179N, 5497159E	GWDrill	Unknown	

- A. Use Well IDs as provided in Wells Table to identify known wells in Spread Field Map(s).
- B. Enter the legal description for each parcel of land on which a well is located - i.e., Sec-Twp-Rge or RL (including parish).
- C. Identify the municipality in which the parcel is located.

- D.** Provide description of well location, including GPS coordinates if available. Indicate accuracy of well coordinates, if provided, as: Exact [$<10\text{m}$ - GPS]; Very Accurate [$<50\text{m}$ - ortho mapped]; Accurate [$50\text{-}350\text{m}$ - within $\frac{1}{4}$ section]; or Fair [350m - 1km - within section]
- E.** Identify the source of the data or information provided in description of well location (e.g., Groundwater Management, well drilling contractor, landowner, ...).
- F.** Indicate whether well is active, abandoned, or status unknown.
- G.** Provide any further comments necessary to clarify location, nature, or status of well, or to indicate that no well is known at this location.

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Wells on Divorner Farms Sites and Manure Fields.

Introduction

The following wells from the province's GWDrill database were identified as being on the Divorner Farms project sites and manure application fields. The wells were submitted to the Groundwater Management Section of Manitoba Environment and Climate Change. A list of manure field locations was also submitted to determine if any additional known wells were present on manure fields used by Divorner Farms.

Note that in several instances, wells were identified by Bruno Divorner with no entry in the province's GWDrill database.

The lack of additional wells on the manure fields was confirmed by Tricia Rittaler on Feb. 13, 2025 as per the following note.

Wells and Status

No.	Location	UTMX	UTMY	Comment
1	SE-08-008-06W1	555256.4	5499115	Water Well (Undocumented)
2	SE-08-008-06W1	555257.2	5499081	Water Well (Undocumented)
3	SE-08-008-06W1	555279.4	5499001	Water Well (Undocumented)
4	SE-08-008-06W1	555364.1	5499059	Water Well (Undocumented)
5	SE-06-008-06W1	553670.9	5497492	Water Well (Undocumented)
6	SE-06-008-06W1	553649	5497539	Water Well (Undocumented)
7	SW-05-008-06W1	553885.6	5497125	Water Well (Undocumented)
8	NE-16-008-06W	556905.2	5500998	Water Well (to be Decommissioned)
9	SE-15-008-06W	558332.3	5500738	Water Well (to be Decommissioned)
10	NW-10-008-06W	557199.7	5499993	Water Well (Undocumented)
11	SE-08-008-06W1	555192.5	5498974	Water Well (to be Decommissioned)

Manure Field Locations




Field No.	Location
1	SW-05-008-06W1
2	NE-05-008-06W1
7	NW-05-008-06W1
10	SW-15-008-06W1
11	NE-15-008-06W1
12	SE-06-008-06W1
13	SE-15-008-06W1
14	SE-05-008-06W1
15	NW-15-008-06W1
16	NW-10-008-06W1
17	NE-06-008-06W1
18	SE-08-008-06W1
19	SE-09-008-06W1
20	NW-09-008-06W1
21	SE-16-008-06W1
22	NE-09-008-06W1
23	SW-09-008-06W1
24	NE-01-008-07W1
25	NE-08-008-06W1
26	SW-08-008-06W1
28	NE-10-008-06W1
29	SW-10-008-06W1
30	SW-16-008-06W1
31	NE-16-008-06W1
32	NW-16-008-06W1
33	SE-10-008-06W1
34	NE-04-008-06W1
35	NW-03-008-06W1

Response from Groundwater Management Section (MECC)

RE: **Divorne** Farms wells



+WPG569 - Ground Water <groundwater@gov.mb.ca>
To Keith Duhaime; +WPG139 - TRC; +WPG569 - Ground Water
Cc Aliaga, Inonge

 Reply  Reply All  Forward 

Thu 2025-02-13 3:02 PM

Divorne Farms wells

Keith, as per our discussion and our own GMS-internal review for any additional wells that may be located within the subject area, please note that no additional well locations were identified.

Let us know if you need any additional information.

Thank-you.
Tricia

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1.2 Site Plan

1.2.1 Site 1: Dairy barn and Associated Facilities

At Site 1 (Figure 2), the exact final dimensions and location for a new barn and manure storage have yet to be determined. The minimum setback from property lines for the new manure storage will be 100 m, and the barn will conform to local zoning by-law requirements. The new barn will be primarily for lactating mature cows. The existing barns and exercise area will primarily be for young calves (< 4 months of age), and some dry cows and heifers expecting to soon calve. The new manure storage will consist of two cells. The first cell, EMS Cell #1, will be constructed immediately and the second cell, EMS Cell #2 will be constructed when necessary to accommodate herd expansion and the requirements within the Livestock Manure and Mortalities Management Regulation (LMMMR) for 400 days of storage capacity.

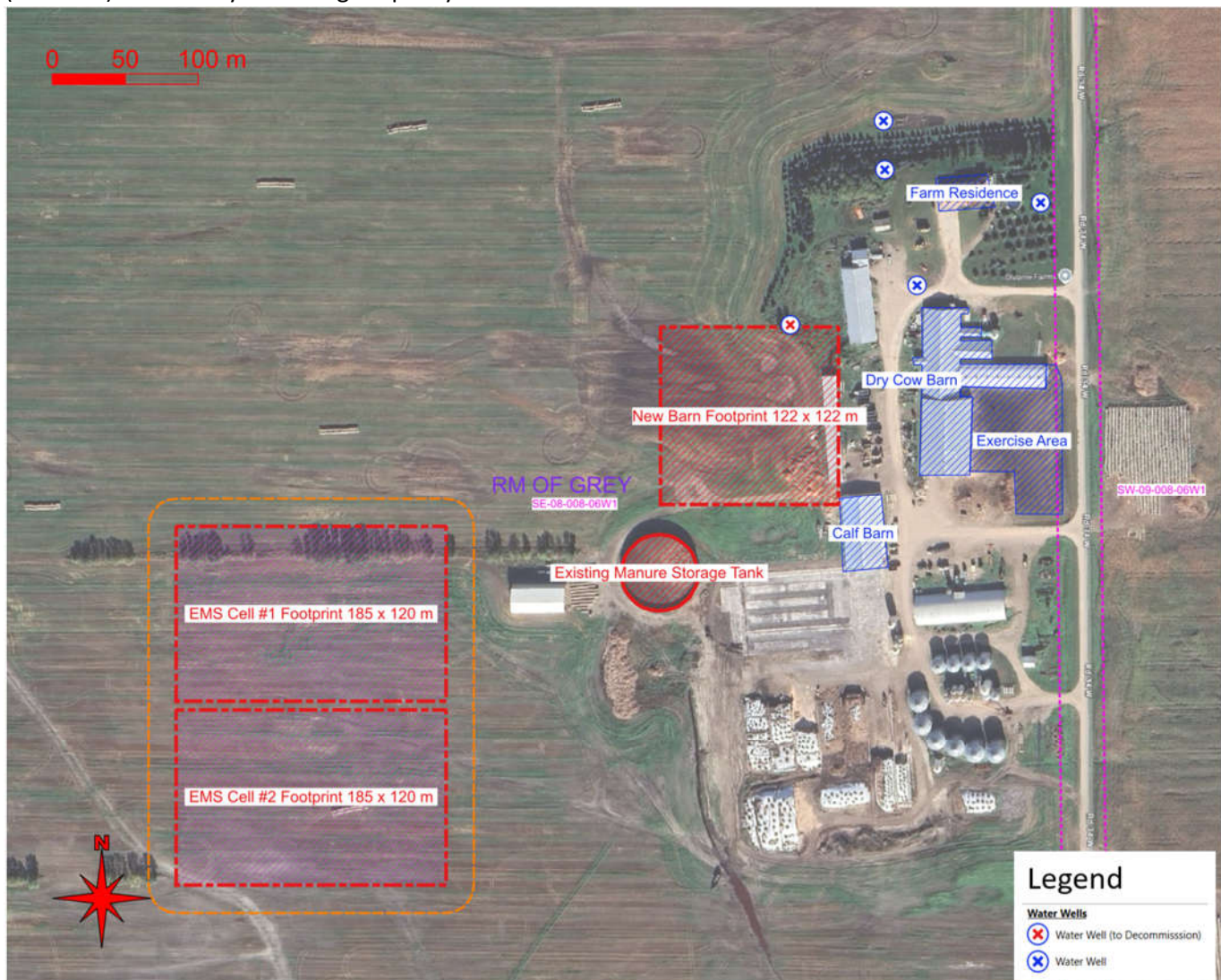


Figure 2: Divorne Farms SE-08-008-06WPM Site 1 Plan

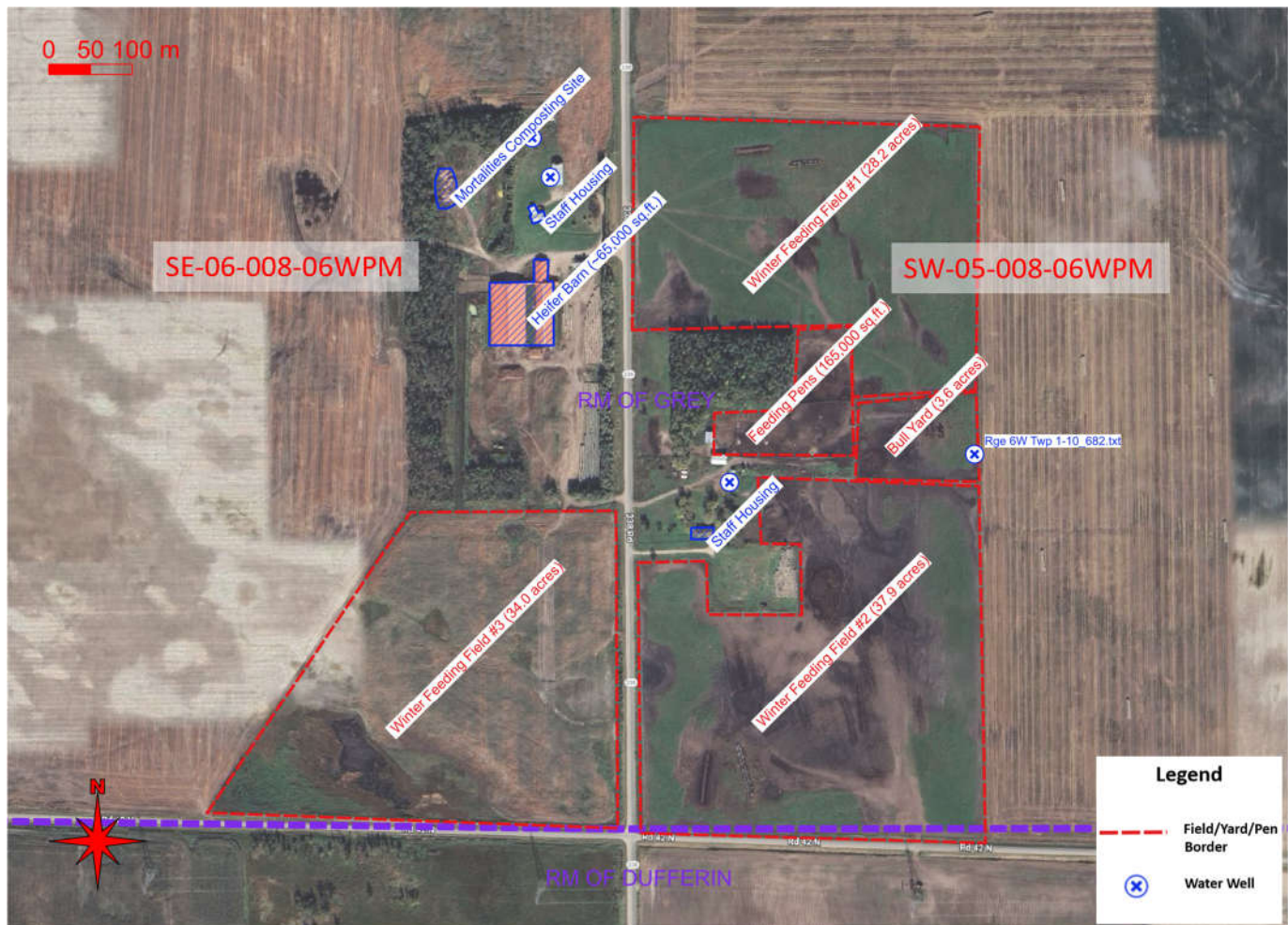


Figure 3: Divorne Farms SE-06-008-06WPM and SW-05-008-06WPM Site 2 Plan

1.2.2 Site 2: Heifer Barn and Winter Feeding Fields (aka Reimer Properties).

At Site 2 (Figure 3), livestock are located across two quarters divided by Rd 338; SE-06-008-06WPM on the west side of the road and SW-05-008-06WPM on the east side of the road. This location is also referred to as the 'Reimer properties'.

SE-06-008-06WPM

At this location, a heifer barn with approximately 65,000 ft² of floor space currently exists. The barn will hold a **maximum** of 450 heifers (4 to 13 months of age, 185 AUs at 0.41 AU/head). Manure from this barn will be scraped and moved to **field storage** as required.

SE-06-008-06WPM also has a field approximately 34 acres (13.8 ha) in area directly to the south of the barn (Winter Feeding Field #3). This field will be one of three used during winter months to feed from 150 to 200 heifers aged > 13 months (maximum 174 AUs at 0.87 AU/head). The other two fields are located across the road

10.0 Wells to be Abandoned or Decommissioned

In addition to the wells depicted in Figures 2 and 3, three additional wells currently exist on Divorne Farms properties (Figure 10). Two of these wells are slated to be decommissioned at a future date.



Figure 10: Additional Water Wells on Divorne Farms properties.

Divorne Farms -Livestock Technical Review Committee
SE-08-008-06WPM, SE-06-008-06WPM and
SW-05-008-06WPM
RM of Grey, Manitoba
DGH Project Number: 3448-003

DGH Engineering Ltd.
12 Aviation Boulevard
St. Andrews, MB, R1A 3N5
(204) 334-8846

6.0 Water Source

The Pembina Valley water cooperative is the primary source of water via pipeline for human and animal consumption, and for cleaning operations involving dairy equipment.

Well water is used for other washing and flushing purposes. Currently there are five wells on the home quarter section (Figure 2). One of the wells will be decommissioned to accommodate construction of the new dairy barn. The well to be decommissioned has the following well log on record:

GW Drill (2021) Data:

Location: SE8-8-6W

Well_PID: 63604

Owner: P DIVORNE

Driller: HAYWOOD CONCRETE PRODUCTS LTD.

Well Name:

Well Use: PRODUCTION

Water Use: Domestic,Livestock

UTMX: 555192 (Corrected from Provincial data)

UTMY: 5498974 (Corrected from Provincial data)

Accuracy XY: UNKNOWN

UTMZ:

Accuracy Z:

Date Completed: 1988 Oct 01

WELL LOG

From To Log
(ft.) (ft.)

0 8.0 FINE BROWN SAND
8.0 23.5 FINE SAND, BLUE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	23.5	casing	92.00		INSERT	CONCRETE	
0	23.0	gravel pack					

Top of Casing: 0 ft. below ground

PUMPING TEST

Date: 1988 Oct 01

Pumping Rate: 8.997 Imp. gallons/minute

Water level before pumping: 0 ft. below ground

Pumping level at end of test: ?? ft. below ground

Test duration: 14 hours, minutes

Water temperature: ?? degrees F