Well Construction Report
WISCONSIN UNIQUE WELL NUMBER ZT527

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707
Form 3300-077A

Property Owner	DAIRICONCEPTS
Phone #	(715)683-5054
Mailing Address	W888 CHILI ROAD
City	CHILI
State	WI
Zip Code	54437
County	Clark
Co. Permit #	
Notification #	8043546901
Completed	06-04-2020
Well Constructor (Business Name)	HAUPT WELL & PUMP CO INC
Lic. #	529
Facility ID # (Public Wells)	
Address	5508 MAIN ST AUBURNDALE WI 54412
Well Plan Approval #	
Approval Date (mm-dd-yyyy)	
Hicap Permanent Well #	
Common Well #	
Specific Capacity	0.60

1. Well Location

Town of FREMONT	W888
Street Address or Road Name and Number	CHILI ROAD
Subdivision Name	
Lot #	
Block #	
Latitude / Longitude in Decimal Degree (DD)	44.6275 °N -90.3561 °W
Method Code	GPS008
SW SW or Govt Lot #	
Section	23
Township	25 N
Range	1 E

2. Well Type New Well
of previous unique well # constructed in
Reason for replaced or reconstructed well ?
TO CLOSE TO VOC AREA

Construction Type Drilled

3. Well serves 1 # of DAIRY
Drillhole
Heat Exchange____# of drillholes

Hicap Well ? No
Hicap Property ? No
Hicap Potable ? No

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
8	Surface	31.40
6	31.40	61

Upper Enlarged Drillhole		Lower Open Bedrock
No	Rotary - Mud Circulation	No
Yes	Rotary - Air	Yes
No	Rotary - Air & Foam	No
No	Drill-Through Casing Hammer	
No	Reverse Rotary	
No	Cable-tool Bit ____in. dia...	No
No	Dual Rotary	No
Yes	Temp. Outer Casing 8in. dia	
No	Removed? 24depth ft. (If NO explain on back side)	

Geology Codes				8. Geology Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
	C	G		C-CLAY G-W/GRAVEL/STONES	Surface	15
Q	N			Q-CAVING N-SANDSTONE	15	22
Q	N			Q-CAVING N-SANDSTONE	22	23
H	N	H		H-HARD/FIRM N-SANDSTONE H-SHALEY	23	58.50
	Q			Q-GRANITE	58.50	61

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	STEEL 18.97 A53 WELD	Surface	31.40
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method TREMIE PIPE - PUMPED

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
NEAT CEMENT GROUT	Surface	31.40	9 S

9. Static Water Level
14.50 ft. below ground surface

10. Pump Test
Pumping level 61 ft. below surface
Pumping at 30 GP M for 1 Hrs.
Pumping Method ? Airlift

11. Well Is
28 in. above grade
Developed ? Yes
Disinfected ? Yes
Capped ? Yes

12. Notified Owner of need to fill & seal ? No
Filled & Sealed Well(s) as needed? No

13. Constructor / Supervisory Driller	Lic #	Date Signed
AH	6577	06-04-2020
Drill Rig Operator	Lic or Reg #	Date Signed
AH	6577	06-04-2020

4a. Potential Contamination Sources Is the well located in floodplain ? No

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 06-04-2020 Created by: DLHWAMSID Updated On: 06-10-2020 Updated by: DLHWAMSID

Water Analysis

AgSource LABORATORIES

Submitted By: **MFH00002**
Haupt Well & Pump Co Inc
5508 Main St
Auburndale, WI 54412-9068

Submitted For:
DairiConcepts
W888 Chili Rd
Chili, WI 54437

Laboratory Sample #
BV52533
0247-44

Date Received:
06/04/2020

Date Processed:
06/05/2020

Information Sheet #
DW060420-39

Date/Time Collected **06/04/2020 02:00 PM**
Sample Collector **HAUPT**

Sample Location **Air Lift**
Reason **New Well or New Construction**

WDNR Lab Certification Number **737109450**
WDATCP Lab Certification Number **55-424**
WI Well Number **ZT527**

Test Name	Method	Results	Units	MCL	LOD/LOQ	Dilution Factor	Prep Date	Test Date	Analyst
Total Coliform	SM9223 B 18HR	Absent-Safe 3 <1	CFU/100mL	<1 CFU/100mL	NA	1	NA	6/4/2020	RG
E. coli	SM9223 B 18HR	Absent	CFU/100mL	<1 CFU/100mL	NA	1	NA	6/4/2020	RG
Nitrate as N	EPA 300.0	1.13	mg/L	10 mg/L	0.10/0.32	1	NA	6/4/2020	RG

Test Comments: **3: A sample reported as Absent-Safe (<1 CFU/100mL) indicates that coliform bacteria was not detected in the sample. This does not guarantee that other contaminants do not exist. "Safe" refers only to the sample's bacteriological result.**

Report Authorized by: Addie Seefeldt Date: 06/05/2020

[Bracketed results] specify values greater than or equal to the LOD but less than or equal to the LOQ and are within a range of less-certain quantitation. Results greater than the LOQ are considered to be in the range of certain quantitation. LOD/LOQ units are the same as Result units.

LOD = Limit of Detection
LOQ = Limit of Quantitation

All LODs and LOQs are adjusted to reflect dilution

RL = Reporting Limit
NA = Not Applicable

MCL = EPA Maximum Contamination Limit (see link below for more information)

<https://www.epa.gov/your-drinking-water/table-regulated-drinking-water-contaminants>

3700 Downwind Drive • Marshfield, WI 54449 • P: 715.898.1402 • marshfield@agsource.com

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 345776
NLS Customer: 111318
Phone: 715 683 5052

Client: Dairi Concepts
Attn: Kathryn Goldberg
W887 Chili Rd
PO Box 88
Chili, WI 54420

Project: Investigative Sample

New Well NLS ID: 1192123
COC: 243659:1 Matrix: DW
Collected: 06/08/20 14:00 Received: 06/09/20

Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					06/09/20	EPA 524.2, Rev 4.1	721026460

Trip Blank NLS ID: 1192124
Matrix: TB
Collected: 06/08/20 00:00 Received: 06/09/20

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
SDWA Volatile Organics (VOCs) by EPA 524.2	see attached					06/09/20	EPA 524.2	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable
DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 1000 ug/L = 1 mg/L
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis

Customer: Dairi Concepts **NLS Project: 345776**

Project Description: Investigative Sample

Project Title: **Template: 524W** **Printed: 06/10/2020 12:00**

Sample: 1192123 New Well Collected: 06/08/20 Analyzed: 06/09/20 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Benzene	ND	ug/L	1	0.43	1.4	5	
Bromobenzene	ND	ug/L	1	0.14	0.46		
Bromochloromethane	ND	ug/L	1	0.31	1.0		
Bromodichloromethane	ND	ug/L	1	0.42	1.4	80	
Bromoform	ND	ug/L	1	0.39	1.3	80	
Bromomethane	ND	ug/L	1	1.0	3.5		
n-Butylbenzene	ND	ug/L	1	0.49	1.6		
sec-Butylbenzene	ND	ug/L	1	0.41	1.4		
tert-Butylbenzene	ND	ug/L	1	0.51	1.7		
Carbon Tetrachloride	ND	ug/L	1	0.28	0.93	5	
Chlorobenzene	ND	ug/L	1	0.28	0.95	100	
Chloroethane	ND	ug/L	1	2.7	8.9		
Chloroform	ND	ug/L	1	0.52	1.7	80	
Chloromethane	ND	ug/L	1	0.40	1.3		
2-Chlorotoluene	ND	ug/L	1	0.36	1.2		
4-Chlorotoluene	ND	ug/L	1	0.40	1.3		
Dibromochloromethane	ND	ug/L	1	0.41	1.4	80	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.53	1.8		
1,2-Dibromoethane	ND	ug/L	1	0.28	0.95		
Dibromomethane	ND	ug/L	1	0.38	1.3		
1,2-Dichlorobenzene	ND	ug/L	1	0.12	0.40	600	
1,3-Dichlorobenzene	ND	ug/L	1	0.19	0.62		
1,4-Dichlorobenzene	ND	ug/L	1	0.22	0.73	75	
Dichlorodifluoromethane	ND	ug/L	1	0.35	1.2		
1,1-Dichloroethane	ND	ug/L	1	0.28	0.92		
1,2-Dichloroethane	ND	ug/L	1	0.43	1.4	5	
1,1-Dichloroethene	ND	ug/L	1	0.28	0.94	7	
cis-1,2-Dichloroethene	ND	ug/L	1	0.35	1.2	70	
trans-1,2-Dichloroethene	ND	ug/L	1	0.24	0.81	100	
1,2-Dichloropropane	ND	ug/L	1	0.63	2.1	5	
1,3-Dichloropropane	ND	ug/L	1	0.40	1.3		
2,2-Dichloropropane	ND	ug/L	1	0.87	2.9		
1,1-Dichloropropene	ND	ug/L	1	0.35	1.2		
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86		
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83		
Ethylbenzene	ND	ug/L	1	0.27	0.90	700	
Hexachlorobutadiene	ND	ug/L	1	0.60	2.0		
Isopropylbenzene	ND	ug/L	1	0.33	1.1		
p-Isopropyltoluene	ND	ug/L	1	0.46	1.5		
Methylene chloride	ND	ug/L	1	1.1	3.7	5	
Naphthalene	ND	ug/L	1	0.59	2.0		
n-Propylbenzene	ND	ug/L	1	0.40	1.3		
Styrene	ND	ug/L	1	0.31	1.0	100	
ortho-Xylene	ND	ug/L	1	0.28	0.95		
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.38	1.3		
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.60	2.0		
Tetrachloroethene	ND	ug/L	1	0.27	0.90	5	
Toluene	ND	ug/L	1	0.21	0.69	1000	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.51	1.7		
1,2,4-Trichlorobenzene	ND	ug/L	1	0.44	1.5	70	
1,1,1-Trichloroethane	ND	ug/L	1	0.44	1.5	200	
1,1,2-Trichloroethane	ND	ug/L	1	0.53	1.8	5	
Trichloroethene	ND	ug/L	1	0.46	1.5	5	

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Dairi Concepts NLS Project: 345776
Project Description: Investigative Sample
Project Title: Template: 524W Printed: 06/10/2020 12:00

Sample: 1192123 New Well Collected: 06/08/20 Analyzed: 06/09/20 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	MCL	Note
Trichlorofluoromethane	ND	ug/L	1	0.29	0.96		
1,2,3-Trichloropropane	ND	ug/L	1	0.91	3.0		
1,2,4-Trimethylbenzene	ND	ug/L	1	0.45	1.5		
1,3,5-Trimethylbenzene	ND	ug/L	1	0.43	1.4		
Vinyl chloride	ND	ug/L	1	0.19	0.62	.2	
meta,para-Xylene	ND	ug/L	1	0.59	2.0	10000	
MTBE	ND	ug/L	1	0.18	0.60		
4-Bromofluorobenzene (SURR)	68%		1				S
1,2-Dichlorobenzene-d4 (SURR)	77%		1				S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.
Isopropyl Alcohol was present at an estimated concentration of 2800 ug/L.

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Dairi Concepts NLS Project: 345776
Project Description: Investigative Sample
Project Title: Template: 524W Printed: 06/10/2020 12:00

Sample: 1192124 Trip Blank Collected: 06/08/20 Analyzed: 06/09/20 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Benzene	ND	ug/L	1	0.43	1.4	
Bromobenzene	ND	ug/L	1	0.14	0.46	
Bromochloromethane	ND	ug/L	1	0.31	1.0	
Bromodichloromethane	ND	ug/L	1	0.42	1.4	
Bromoform	ND	ug/L	1	0.39	1.3	
Bromomethane	ND	ug/L	1	1.0	3.5	
n-Butylbenzene	ND	ug/L	1	0.49	1.6	
sec-Butylbenzene	ND	ug/L	1	0.41	1.4	
tert-Butylbenzene	ND	ug/L	1	0.51	1.7	
Carbon Tetrachloride	ND	ug/L	1	0.28	0.93	
Chlorobenzene	ND	ug/L	1	0.28	0.95	
Chloroethane	ND	ug/L	1	2.7	8.9	
Chloroform	ND	ug/L	1	0.52	1.7	
Chloromethane	ND	ug/L	1	0.40	1.3	
2-Chlorotoluene	ND	ug/L	1	0.36	1.2	
4-Chlorotoluene	ND	ug/L	1	0.40	1.3	
Dibromochloromethane	ND	ug/L	1	0.41	1.4	
1,2-Dibromo-3-Chloropropane	ND	ug/L	1	0.53	1.8	
1,2-Dibromoethane	ND	ug/L	1	0.28	0.95	
Dibromomethane	ND	ug/L	1	0.38	1.3	
1,2-Dichlorobenzene	ND	ug/L	1	0.12	0.40	
1,3-Dichlorobenzene	ND	ug/L	1	0.19	0.62	
1,4-Dichlorobenzene	ND	ug/L	1	0.22	0.73	
Dichlorodifluoromethane	ND	ug/L	1	0.35	1.2	
1,1-Dichloroethane	ND	ug/L	1	0.28	0.92	
1,2-Dichloroethane	ND	ug/L	1	0.43	1.4	
1,1-Dichloroethene	ND	ug/L	1	0.28	0.94	
cis-1,2-Dichloroethene	ND	ug/L	1	0.35	1.2	
trans-1,2-Dichloroethene	ND	ug/L	1	0.24	0.81	
1,2-Dichloropropane	ND	ug/L	1	0.63	2.1	
1,3-Dichloropropane	ND	ug/L	1	0.40	1.3	
2,2-Dichloropropane	ND	ug/L	1	0.87	2.9	
1,1-Dichloropropene	ND	ug/L	1	0.35	1.2	
cis-1,3-Dichloropropene	ND	ug/L	1	0.26	0.86	
trans-1,3-Dichloropropene	ND	ug/L	1	0.25	0.83	
Ethylbenzene	ND	ug/L	1	0.27	0.90	
Hexachlorobutadiene	ND	ug/L	1	0.60	2.0	
Isopropylbenzene	ND	ug/L	1	0.33	1.1	
p-Isopropyltoluene	ND	ug/L	1	0.46	1.5	
Methylene chloride	ND	ug/L	1	1.1	3.7	
Naphthalene	ND	ug/L	1	0.59	2.0	
n-Propylbenzene	ND	ug/L	1	0.40	1.3	
Styrene	ND	ug/L	1	0.31	1.0	
ortho-Xylene	ND	ug/L	1	0.28	0.95	
1,1,1,2-Tetrachloroethane	ND	ug/L	1	0.38	1.3	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	0.60	2.0	
Tetrachloroethene	ND	ug/L	1	0.27	0.90	
Toluene	ND	ug/L	1	0.21	0.69	
1,2,3-Trichlorobenzene	ND	ug/L	1	0.51	1.7	
1,2,4-Trichlorobenzene	ND	ug/L	1	0.44	1.5	
1,1,1-Trichloroethane	ND	ug/L	1	0.44	1.5	
1,1,2-Trichloroethane	ND	ug/L	1	0.53	1.8	
Trichloroethene	ND	ug/L	1	0.46	1.5	

ANALYTICAL RESULTS: GCMS 524.2, Rev 4.1 Safe Drinking Water Analysis
Customer: Dairi Concepts NLS Project: 345776
Project Description: Investigative Sample
Project Title: Template: 524W Printed: 06/10/2020 12:00

Sample: 1192124 Trip Blank Collected: 06/08/20 Analyzed: 06/09/20 - Analytes: 60

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ	Note
Trichlorofluoromethane	ND	ug/L	1	0.29	0.96	
1,2,3-Trichloropropane	ND	ug/L	1	0.91	3.0	
1,2,4-Trimethylbenzene	ND	ug/L	1	0.45	1.5	
1,3,5-Trimethylbenzene	ND	ug/L	1	0.43	1.4	
Vinyl chloride	ND	ug/L	1	0.19	0.62	
meta,para-Xylene	ND	ug/L	1	0.59	2.0	
MTBE	ND	ug/L	1	0.18	0.60	
4-Bromofluorobenzene (SURR)	64%		1			S
1,2-Dichlorobenzene-d4 (SURR)	76%		1			S

NOTES APPLICABLE TO THIS ANALYSIS:
S = This compound is a surrogate used to evaluate the quality control of a method.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin DNR cert ID
721026460 (Cran) / 268533760 (Wauk)
Wisconsin DATCP ID
105-000330 (Cran) / 105-000479 (Wauk)

NO. 243659

CLIENT Dairi Concepts	
ADDRESS W888 Chili Rd ~~WI~~	
CITY Chili	STATE WI ZIP 54420
PROJECT DESCRIPTION / NO. Investigative Sample	QUOTATION NO.
DNR FID # 0	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		VOCs	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	1192123	New Well	6-8-20	2:00pm			X	Rush Testing 6/10
2.	124							
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

Can someone call me in order to pay with a credit card?

COLLECTED BY (signature) Kathryn [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6-8-20 2pm
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
Kgoldberg@dfamilk.com
thumphrey@dfamilk.com

INVOICE TO
Kathryn Goldberg

RECEIVED AT NLS BY (signature) [signature]	DATE/TIME 6/9/20 1015	CONDITION OK on ice	TEMP. 2.0°C
COOLER #	REMARKS & OTHER INFORMATION #8 ISB		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP YELLOW COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

Rev. 7/20/15