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38434

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

TAX NO: 17-011-126-002-00

PERMIT NO: 98-0475

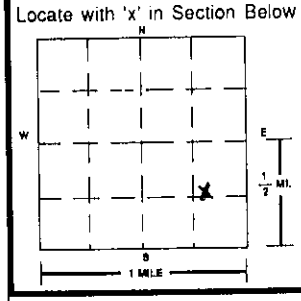
1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
Chippewa	Rudyard	SW 1/4 NE 1/4 SE 1/4	26	44 N	3 W

Distance and Direction from Road Intersection

Street Address & City of Well Location 22758 S. Chub Creek Rudyard

Locate with 'x' in Section Below — Sketch Map



3. OWNER OF WELL: William D. & Darlene K. Rawlings

Address: 35801 Schmid Drive, New Baltimore, MI 48047

Address Same as Well Location: ☐ Yes ☒ No

4. WELL DEPTH: 191 ft. Date Completed: 7/24/98 ☒ New Well ☐ Replacement Well

5. ☐ Cable Tool ☐ Hollow Rod ☒ Rotary ☒ Auger/Bored ☐ Driven ☐ Jetted ☐ Dug ☐ ____

6. USE: ☐ Household ☒ Irrigation ☐ Test Well ☐ Type I Public ☐ Type IIa Public ☐ Type IIb Public ☐ Type III Public ☐ Heat Pump ☐ ____

7. CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded ☒ Other ____

Diameter: 5 in. to 193 ft. depth; ____ in. to ____ ft. depth

BORE HOLE: Diameter: 8 in. to 187 ft. depth; 5 in. to 191 ft. depth

Height: Above/Below Surface: 2 ft

Weight: sdr 21 lbs./ft.

☐ Drive Shoe ☐ Shale Packer

2. FORMATION DESCRIPTION

	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	187	187
Fractured Rock	4	191

CHIPPEWA COUNTY HEALTH DEPARTMENT

RECEIVED AUG 20 1998

USE A 2ND SHEET IF NEEDED

8. SCREEN: ☒ Not Installed ☐ Gravel-Packed

Type ____ Diameter ____

Slot/Gauze ____ Length: ____

Set Between ____ ft. and ____ ft.

FITTINGS: ☐ K-Packer ☐ Bremer Check

☐ Blank Above Screen ____ ft. Other ____

9. STATIC WATER LEVEL: ____ ft. Below Land Surface ☒ Flowing

10. PUMPING LEVEL: Below Land Surface 50 ft. After 3 hrs. Pumping at 10 G.P.M.

☐ Plunger ☐ Bailer ☐ Air ☒ Test Pump

11. WELL HEAD COMPLETION: ☐ Pitless Adapter ☐ Basement Offset ☒ 12" Above Grade ☒ Well House

12. WELL GROUTED? ☐ No ☒ Yes From 0 to 187 ft.

☒ Neat Cement ☐ Bentonite ☐ Other ____

No. of Bags 20 Additives ____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type none Distance ____ ft. Direction ____

Type ____ Distance ____ ft. Direction ____

14. PUMP: ☒ Not Installed ☐ Pump Installation Only

Manufacturer's Name ____

Model Number ____ HP ____ Volts ____

Length of Drop Pipe ____ ft. Capacity ____ G.P.M.

TYPE: ☐ Submersible ☐ Jet ☐ Other ____

PRESSURE TANK:

Manufacturer's Name ____

Model Number ____ Capacity ____ Gallons ____

15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No

Casing Diameter ____ in. Depth ____ ft.

PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips

No. of Bags ____ Casing Removed? ☐ Yes ☐ No

16. REMARKS: (Elevation, Source of Data, etc.)

Fractured water Bearing Rock 187 - 191'

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name Lonnie John Mayer

18. WATER WELL CONTRACTOR'S CERTIFICATION:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Lonnie's Well Drilling (REGISTERED BUSINESS NAME) 1776 (REGISTRATION NO.)

Address PO Box 124 Rudyard MI 49780

Signed ____ (AUTHORIZED REPRESENTATIVE) Date 7-28-98

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemenor.

17-011-126-002-00

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38434

TAX NO: 17-04-126-002-00

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO: 98-0475

1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
Chippewa	Rudyard	SW 1/4 NE 1/4 SE 1/4	26	44 N	31 W

Distance and Direction from Road Intersection

Street Address & City of Well Location 22758 S. Chub Creek Rudyard

Locate with 'x' in Section Below — Sketch Map

3. OWNER OF WELL William D. & Darlene K. Rawlings
Address 35801 Schmid Drive New Baltimore, MI 48047
Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH: 191 ft. Date Completed 7/24/98 ☒ New Well ☐ Replacement Well

5. ☐ Cable Tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☒ Auger/Bored ☐ Jetted ☐ ____

6. USE: ☐ Household ☐ Type I Public ☐ Type III Public ☒ Irrigation ☐ Type IIa Public ☐ Heat Pump ☐ Test Well ☐ Type IIb Public ☐ ____

7. CASING: ☐ Steel ☐ Threaded ☐ Plastic ☐ Welded ☒ Other ____
Diameter: 5 in. to 193 ft. depth; ____ in. to ____ ft. depth
Height: Above/Below Surface: 2 ft
Weight: Sdr 21 lbs./ft.
BORE HOLE: Diameter: 8 in. to 187 ft. depth; 5 in. to 191 ft. depth
☐ Drive Shoe ☐ Shale Packer

2. FORMATION DESCRIPTION

	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	187	187
Fractured Rock	4	191

USE A 2ND SHEET IF NEEDED

CHIPPEWA COUNTY HEALTH DEPARTMENT

RECEIVED AUG 2 0 1998

8. SCREEN: ☒ Not Installed ☐ Gravel-Packed
Type ____ Diameter ____
Slot/Gauze ____ Length: ____
Set Between ____ ft. and ____ ft.
FITTINGS: ☐ K-Packer ☐ Bremer Check
☐ Blank Above Screen ____ ft. Other ____

9. STATIC WATER LEVEL: ____ ft. Below Land Surface ☒ Flowing

10. PUMPING LEVEL: Below Land Surface 50 ft. After 3 hrs. Pumping at 10 G.P.M.
☐ Plunger ☐ Bailer ☐ Air ☒ Test Pump

11. WELL HEAD COMPLETION: ☐ Pitless Adapter ☒ 12" Above Grade ☐ Basement Offset ☒ Well House

12. WELL GROUTED? ☐ No ☒ Yes From 0 to 187 ft.
☒ Neat Cement ☐ Bentonite ☐ Other ____
No. of Bags 20 Additives ____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type none Distance ____ ft. Direction ____
Type ____ Distance ____ ft. Direction ____

14. PUMP: ☒ Not Installed ☐ Pump Installation Only
Manufacturer's Name ____
Model Number ____ HP ____ Volts ____
Length of Drop Pipe ____ ft. Capacity ____ G.P.M.
TYPE: ☐ Submersible ☐ Jet ☐ Other ____
PRESSURE TANK:
Manufacturer's Name ____
Model Number ____ Capacity ____ Gallons ____

15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No
Casing Diameter ____ in. Depth ____ ft.
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips
No. of Bags ____ Casing Removed? ☐ Yes ☐ No

16. REMARKS: (Elevation, Source of Data, etc.)
Fractured water Bearing Rock 187 - 191'

17. DRILLING MACHINE OPERATOR:
☒ Employee ☐ Subcontractor
Name Zavin John Mayer

18. WATER WELL CONTRACTOR'S CERTIFICATION:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
REGISTERED BUSINESS NAME Lowest Well Drilling REGISTRATION NO. 1776
Address PO Box 124 Rudyard MI 49780
Signed Z. Mayer (AUTHORIZED REPRESENTATIVE) Date 7-28-98

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.

17-04-126-002-00

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER: 9 1644

1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Chippewa	Rudyard	NE ¼ NE ¼ ¼	26	44 N/S	3 E/W

Distance And Direction From Road Intersection: ¼ mile South Chub cr Rd on South Chub cr Rd ¼ mile on west side

Street Address & City of Well Location

Locate with "X" in Section Below

Sketch Map: Chub cr Rd, ¼ mile, South cr Rd

160 acres

W, E, S, N; ½ MI.; 1 MILE

3 OWNER OF WELL:

Randall Bromberg

Address: Chub Creek Rd Rudyard MI

Address Same As Well Location? ☒ Yes ☐ No

4 WELL DEPTH:

120 FT. Date Completed: MO. 5 DAY 20 YEAR 93 ☒ New Well ☐ Replacement Well

5

☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Auger ☐ Jetted ☐

6 USE:

☒ Domestic ☐ Type I Public ☐ Type III Public
☐ Irrigation ☐ Type IIa Public ☐ Heat pump
☐ Test Well ☐ Type IIb Public ☐

7 CASING:

Diameter: ☐ Steel ☐ Threaded ☒ Plastic ☒ Welded

5 in. to 112 ft. depth

in. to ft. depth

Grouted Drill Hole Diameter: 8 in. to 120 ft. depth

in. to ft. depth

Height: Above/Below Surface 1 ft.

Weight Sdr 21 lbs./ft.

Drive Shoe ☐ Yes ☒ No

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	108	108
Clay, Gravel, Sand	4	112
Sand	8	120

USE A 2ND SHEET IF NEEDED

8 SCREEN:

Stainless Steel ☐ Not Installed

Type Cook Diameter 4

Slot/Gauze 15 Length 8

Set between 112 ft. and 120 ft.

FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check

☐ Blank above screen 1 ft. Other

9 STATIC WATER LEVEL:

6 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

50 ft. after 5 hrs. pumping at 10 G.P.M.

ft. after hrs. pumping at G.P.M.

AWC5-1P

11 WELL HEAD COMPLETION:

☒ Pitless adapter ☐ 12" above grade
☐ Basement offset ☐ Approved pit

12 WELL GROUTED?

☐ No ☒ Yes From 0 to 108 ft.

☐ Neat cement ☒ Bentonite ☐ Other

No. of bags of cement Additives

13 Nearest source of possible contamination

Type none Distance ft. Direction

Well disinfected upon completion? ☒ Yes ☐ No

Was old well plugged? ☐ Yes ☐ No

14 PUMP:

☐ Not Installed ☐ Pump Installation Only

Manufacturer's name Goulds

Model number 7EH HP ½ Volts 220

Length of Drop Pipe 82 ft. capacity 7 G.P.M.

TYPE: ☒ Submersible ☐ Jet

PRESSURE TANK:

Manufacturer's name Amtrol

Model number 202 Capacity 20 Gallons

15. Remarks, elevation, source of data, etc.

16. WATER WELL CONTRACTOR'S CERTIFICATION:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Lewis Well Drilling 0917

REGISTERED BUSINESS NAME REGISTRATION NO.

Address P.O. Box 124 Rudyard MI

Signed Lewis Mark Date 6-1-93

AUTHORIZED REPRESENTATIVE

17. Rig Operator's Name:

Lewis John

D67d 2/89

DNR-ESCANABA, MI
DEC 14 1993
GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

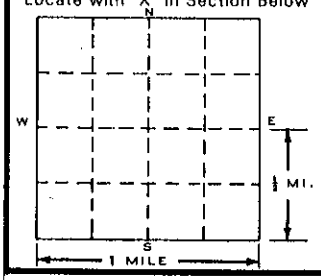
County	Township Name	Fraction	Section Number	Town Number	Range Number
Chippewa	Rudyard	N1/2 SE1/4 SE1/4	26	44 N/S	3 E/W

Distance And Direction From Road Intersection

Street Address & City of Well Location

Locate with "X" in Section Below

Sketch Map:



3 OWNER OF WELL: Gary Kreiser

Address: RR 2 915 B Fibre MI 49732

Address Same As Well Location? ☒ Yes ☐ No

4 WELL DEPTH: (completed) 188 ft. **Date of Completion** 5-3-86

5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐

6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐

7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded

5 in. to 178 ft. depth

in. to ft. depth

Grouted Drill Hole Diameter

in. to ft. depth

in. to ft. depth

Height: Above/Below Surface 2 ft.

Weight 40 lbs/ft. SCH. 80 PVC

Drive Shoe ☐ Yes ☐ No

8 SCREEN: ☒ Not Installed

Type Stainless Diameter 4"

Slot/Gauze 20 Length 12'

Set between 176 ft. and 188 ft.

FITTINGS: ☐ K-Packer ☒ Lead Packer ☐ Bremer Check

☒ Blank above screen 1½ ft. Other

9 STATIC WATER LEVEL:

ft. below land surface ☒ Flow

10 PUMPING LEVEL: below land surface

10 ft. after 2 hrs. pumping at 10 G.P.M.

ft. after hrs. pumping at G.P.M.

11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit

12 WELL GROUTED? ☒ No ☐ Yes From to ft.

☐ Neat cement ☐ Bentonite ☐ Other

No. of bags of cement Additives

13 Nearest source of possible contamination

Type None Distance ft. Direction

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP: ☒ Not Installed ☐ Pump Installation Only

Manufacturer's name

Model number HP Volts

Length of Drop Pipe ft. capacity G.P.M.

TYPE: ☐ Submersible ☐ Jet

PRESSURE TANK:

Manufacturer's name

Model number Capacity Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	174	174
Gravel	12	188

USE A 2ND SHEET IF NEEDED

15. Remarks, elevation, source of data, etc.

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16. WATER WELL CONTRACTOR'S CERTIFICATION:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Louie's well Drilling 0917

REGISTERED BUSINESS NAME REGISTRATION NO.

Address Fibre MI 49732

Signed Louie Mayl Date 1-10-87

AUTHORIZED REPRESENTATIVE

D67d 2/84

FEB 26 1987

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.

JUL 21 1999

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

38437

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO: 17-011-126-002-00

PERMIT NO: 98-0475

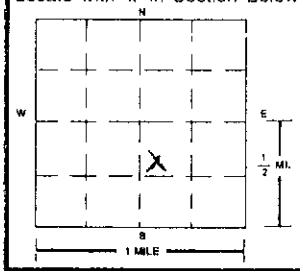
1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
Chippewa	Rudyard	SW 1/4 NE 1/4 SE 1/4	26	44N	3W

Distance and Direction from Road Intersection: Rudyard

Street Address & City of Well Location: 22758 S Chub Creek

Locate with 'x' in Section Below — Sketch Map



3. OWNER OF WELL: William & Darlene Rawlings
Address: 35801 Schmid Drive, New Baltimore, MI 48047
Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH: ft. Date Completed 9/29/98 ☐ New Well ☐ Replacement Well

5. ☐ Cable Tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐

6. USE: ☐ Household ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat Pump ☐ Test Well ☐ Type IIb Public ☐

7. CASING: ☐ Steel ☐ Threaded ☐ Plastic ☐ Welded ☐ Other
Diameter: in. to ft. depth; in. to ft. depth
BORE HOLE: Diameter: in. to ft. depth; in. to ft. depth
Height: Above/Below Surface: ft
Weight: lbs./ft.
☐ Drive Shoe ☐ Shale Packer

2. FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM

USE A 2ND SHEET IF NEEDED

8. SCREEN: ☐ Not Installed ☐ Gravel-Packed
Type: Diameter:
Slot/Gauze: Length:
Set Between ft. and ft.
FITTINGS: ☐ K-Packer ☐ Bremer Check
☐ Blank Above Screen ft. Other

9. STATIC WATER LEVEL: ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface ft. After hrs. Pumping at G.P.M.
☐ Plunger ☐ Bailer ☐ Air ☐ Test Pump

11. WELL HEAD COMPLETION:
☒ Pitless Adapter ☐ 12" Above Grade
☐ Basement Offset ☐ Well House

12. WELL GROUTED? ☐ No ☐ Yes From to ft.
☐ Neat Cement ☐ Bentonite ☐ Other
No. of Bags: Additives:

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type: Distance ft. Direction
Type: Distance ft. Direction

14. PUMP: ☐ Not Installed ☒ Pump Installation Only
Manufacturer's Name: Goulds
Model Number: 10GS HP: 1/2 Volts: 230
Length of Drop Pipe: 31 ft. Capacity: 10 G.P.M.
TYPE: ☒ Submersible ☐ Jet ☐ Other
PRESSURE TANK:
Manufacturer's Name: Amtrol
Model Number: WX202 Capacity: Gallons: 20

15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No
Casing Diameter in. Depth ft.
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips
No. of Bags: Casing Removed? ☐ Yes ☐ No

16. REMARKS: (Elevation, Source of Data, etc.)

RECEIVED DEC 18 1998

17. DRILLING MACHINE OPERATOR:
☐ Employee ☐ Subcontractor
Name

18. WATER WELL CONTRACTOR'S CERTIFICATION:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Langstaff Pump Service — REGISTERED BUSINESS NAME — 1723 REGISTRATION NO.
Address: P.O. Box 129, Rudyard MI 49780
Signed: Peter L. Langstaff — AUTHORIZED REPRESENTATIVE — Date: 10-15-98

GEOLOGICAL SURVEY COPY

EQP 2017 (12/96)