

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO: E 110

1. LOCATION OF WELL

County DICKINSON Township Name West Branch Fraction 1/4 SW 1/4 NE 1/4 Section No. 33 Town No. 43 N Range No. 28 W

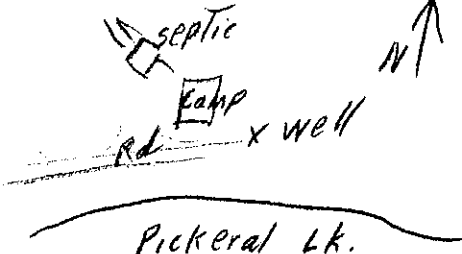
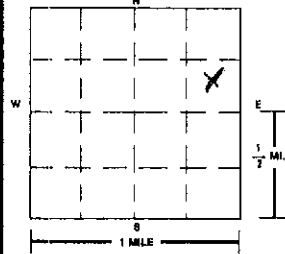
Distance and Direction from Road Intersection

mail -
3109 Sunray Ln.
Green Bay, WI
54313

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Black sand	2	2
sand	13	15
Dirty sand	10	25
clay	5	30
gray clay sand	8	38
clean sand	5	43
brown clay	1	44

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

 Yes No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

 Neat Cement Bentonite Slurry Neat Cement Bentonite Slurry Concrete Grout Bentonite Chips

No. of Bags _____

Casing Removed? Yes No

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

17. DRILLING MACHINE OPERATOR:

 Employee SubcontractorName William Provedore

15. 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.

Heiman Pump & Well Drilling Inc. 2020

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address P.O. Box 704 Iron Mt. MI, 49801Signed William ProvedoreDate 5-28-98

AUTHORIZED REPRESENTATIVE

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.

3. OWNER OF WELL

Address

Jess Noeldaer
Pickeral Lk. Rd.

Address Same as Well Location Yes No

4. WELL DEPTH:

Date Completed

 New Well45 ft.5-28-98 Replacement Well5. 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 ThreadedHeight: Above/Below Plastic WeldedSurface: 26 ft OtherDiameter: 6 in. to 42 ft. depthWeight: 18.97 lbs./ft.

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: 6 in. to 44 ft. depth Drive Shoe

_____ in. to _____ ft. depth

 Shale Packer

8. SCREEN:

 Not Installed Gravel-PackedType STAINLESSDiameter 6"Slot/Gauze 12 SLOTLength: 3-8"Set Between 41-4" ft. and 45 ft.

FITTINGS:

 K-Packer Bremer Check Blank Above Screen

ft. Other _____

9. STATIC WATER LEVEL:

6 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface

45 ft. After 4 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 _____ to _____ ft.

 Neat Cement Bentonite OtherNo. of Bags 1Additives Kept Full

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type septicDistance 70 ft. Direction NW

Type _____

Distance _____ ft. Direction _____

14. PUMP:

 Not Installed Pump Installation OnlyManufacturer's Name Ayrinc DonnellModel Number 2103052HP 13Volts 230Length of Drop Pipe 34 ft.Capacity 5 G.P.M.TYPE: Submersible Jet Other _____

PRESSURE TANK:

Manufacturer's Name A-O SmithModel Number V60

Capacity _____

Gallons 20

TAX NO:

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WATER WELL AND PUMP RECORD

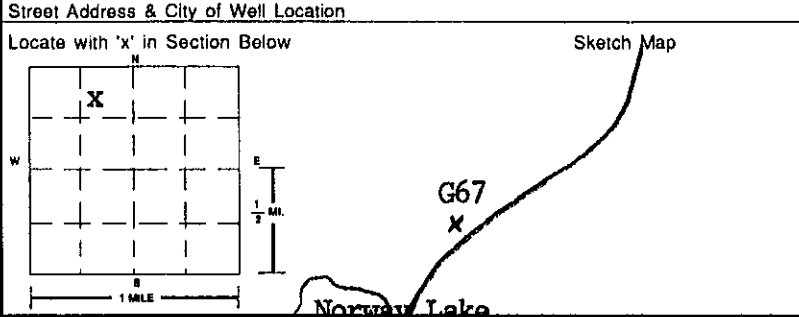
PERMIT NO:
2593

1. LOCATION OF WELL
County **Dickinson**

Township Name **Felch** Fraction **1/4 NE 1/4 NW/4** Section No. **33** Town No. **43N** Range No. **28W**

Distance and Direction from Road Intersection
Northwest side of G67 approximately 1 1/4 miles north of Norway Lake.

3. OWNER OF WELL
Address **Ed Batters
931 East "H"
Iron Mountain, Mi. 49801**
Address Same as Well Location Yes No



4. WELL DEPTH: **80** ft. Date Completed **5 / 11 / 94**
 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 Welded
 Plastic Other
Height: Above/Below Surface: **1** ft
Diameter: **6** in. to **55 1/2** in. depth
Weight: **19** lbs./ft.
BORE HOLE: Drive Shoe
Diameter: **6** in. to **80** ft. depth
 Shale Packer

2. FORMATION DESCRIPTION

	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Topsoil	1	1
Medium sand	22	23
Clay & gravel	30	53
Sandstone	6	59
Shale	21	80

RECEIVED
APR 23 1996
Dickinson-Iron Health Dept.

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:
19 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface
36 ft. After **2** hrs. Pumping at **5** 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 **17** Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type **septic** Distance **76** ft. Direction **E**
Type **road** Distance _____ ft. Direction _____

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

14. PUMP: Not Installed Rump Installation Only
Manufacturer's Name **Red Jacket**
Model Number **50CNW19BC** HP **1/2** Volts **220**
Length of Drop Pipe **60** ft. Capacity **12** G.P.M.
TYPE: Submersible Jet Other _____
PRESSURE TANK:
Manufacturer's Name **Well-X-Trol**
Model Number **202** Capacity **42** Gallons

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

15. 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.
Boussum Well Drilling, Inc. 1716
REGISTERED BUSINESS NAME REGISTRATION NO.
Address **Box 214 M-95 Channing, Mi. 49815**
Signed **Robert E. Boussum** Date **4/22/96**
AUTHORIZED REPRESENTATIVE

17. DRILLING MACHINE OPERATOR:
 Employee Subcontractor
Name **Robert E. Boussum**
DIST. 3 OFFICE
DNR - ESCANABA, MI
APR 20 1996

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County Dickinson

Township Name Felch

Fraction 1/4 SW 1/4 NE 1/4

Section No. 33

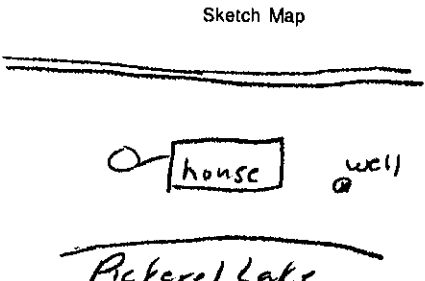
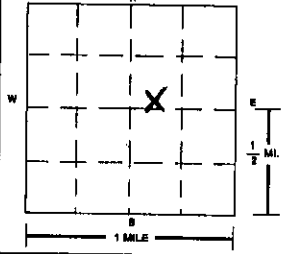
Town No. 43N

Range No. 28W

Distance and Direction from Road Intersection

Street Address & City of Well Location

Locate with 'x' in Section Below



2. FORMATION DESCRIPTION

THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>8</u>	<u>8</u>
<u>10</u>	<u>18</u>
<u>7</u>	<u>25</u>
<u>7</u>	<u>32</u>

fine sand
sand w/ fine gravel
Silty fine sand
clean fine sand

3. OWNER OF WELL
 Address Don Lantz
110135 Pickarel Rd
Iron Mountain, MI 49801
 Address Same as Well Location Yes No

4. WELL DEPTH: 33' 2" Date Completed 10/18/96
 New Well Replacement Well

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

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: 6 in. to 29 ft. depth
 BORE HOLE: 6 in. to 32 ft. depth

Height: Above Below Surface: 1' 2" ft
 Weight: 18.97 lbs./ft.
 Drive Shoe Shale Packer

8. SCREEN: Not Installed Gravel-Packed
 Type Cook #304 Diameter 6" am.
 Slot/Gauze 10 Length: 3'
 Set Between 29 ft. and 32 ft.
 FITTINGS: K-Packer Bremer Check
 Blank Above Screen Other

9. STATIC WATER LEVEL: 2 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface 27 ft. After 1/2 hrs. Pumping at 8:15 G.P.M.
 Plunger Bailor Air Test Pump

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

12. WELL GROUTED? No Yes From gran to gran ft.
 Neat Cement Bentonite Other
 No. of Bags 2 Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
 Type Septic Distance 75 ft. Direction West
 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.)
Kept full of gran. bentonite when drilling casing

17. DRILLING MACHINE OPERATOR:
 Employee Subcontractor
 Name Daryl Neuens

15. 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.
Kleiman Pump & Well Drilling, Inc #0575
 REGISTERED BUSINESS NAME REGISTRATION NO.
 Address P.O. Box 704, Iron Mountain, MI 49801
 Signed Daryl Neuens AUTHORIZED REPRESENTATIVE Date 10-21-96

GW-2-228 9/93

OCT 29 1996