GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

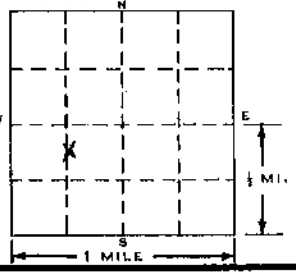
PERMIT NUMBER

1 LOCATION OF WELL

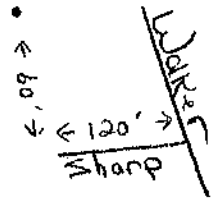
County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	City of Walker	NW¼NE¼SW¼	10	7 N/S	12 E/W

Distance And Direction From Road Intersection
About 120' west of Walker & Sharp
Then about 60' north of Sharp N.W.
Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL:
Henry Mulder
Address 2305 Walker N.W, Walker, MI
Address Same As Well Location? ☐ Yes ☐ No

4 WELL DEPTH: 94 FT. | Date Completed MO. 8 DAY 10 YEAR 88 | ☐ 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
4 in. to 89 ft. depth
_____ in. to _____ ft. depth
Grouted Drill Hole Diameter
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/~~Below~~ Surface 1 ft.
Weight 10.8 lbs./ft.
Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
sand, yellow	3	3
gravel	55	58
clay, blue	18	76
sand, tan waterbearing	18	94

USE A 2ND SHEET IF NEEDED

8 SCREEN: ☐ Not Installed
Type Stainless Diameter 4"
Slot/~~Gauze~~ 7 Length 5'
Set between 89 ft. and 94 ft.
FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check
☒ Blank above screen 2 ft. Other 3" Plug

9 STATIC WATER LEVEL:
64 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface
_____ ft. after _____ hrs. pumping at 40 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 3½ to 20 ft.
☐ Neat cement ☒ Bentonite ☐ Other _____
No. of bags of cement 2 Additives _____

13 Nearest source of possible contamination
Type _____ 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 - Serial # V07/393
Model number 10 E J05 412 HP ½ Volts 230
Length of Drop Pipe 77 ft. capacity 12 G.P.M.
TYPE: ☒ Submersible ☐ Jet _____
PRESSURE TANK:
Manufacturer's name _____
Model number _____ Capacity _____ 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.
M & W Hecksel Bros. 70-0337
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 9175 Cleveland, Nunica
Signed Mark J Hecksel Date 8-30-88
AUTHORIZED REPRESENTATIVE

17. Rig Operator's Name:
William Hecksel

D67d 12/85

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

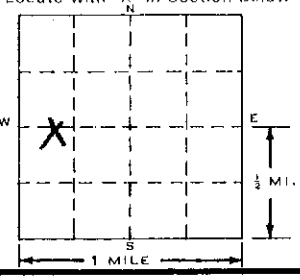
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	1/4 1/4 1/4	10	7 N/S	12 E/W

Distance And Direction From Road Intersection

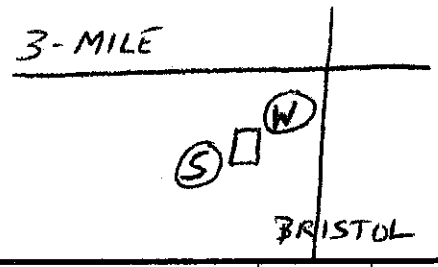
45 FEET WEST OF BRISTOL
1/4 MILE SOUTH OF 3 MILE ROAD
2459 BRISTOL, NW

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL:

Address: MIKE THOMPSON
2459 BRISTOL, NW
GRAND RAPIDS, MI 49504

Address Same As Well Location? XX Yes ☐ No

4 WELL DEPTH: 142 FT. | Date Completed MO. 05 DAY 06 YEAR 96 | ☐ New Well | XX Replacement Well

5 XX Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐ _____

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

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

4 in. to 134 ft. depth
_____ in. to _____ ft. depth

Grouted Drill Hole Diameter
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth

Height: Above/Below
Surface 1/ ft.
Weight 11 lbs./ft
Drive Shoe XX Yes

8 SCREEN: ☐ Not Installed

Type SLOTTED Diameter 4"
Slot/Gauze 7/80,10/60 Length 8 FT.
Set between 134 ft. and 142 ft.
FITTINGS: XX K-Packer ☐ Lead Packer ☐ Bremer Check
☐ Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL:

66 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

_____ ft. after 1-1/2 hrs. pumping at 30-35 M.
_____ ft. after _____ hrs. pumping at _____ G.P.M.

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

12 WELL GROUTED? ☐ No XX Yes From _____ to _____ ft

☐ Neat cement ☐ Bentonite ☐ Other _____

No. of bags of cement XX Additives BENSEAL

13 Nearest source of possible contamination

Type SEPTIC Distance 55 ft. Direction W

Well disinfected upon completion? XX Yes ☐ No

Was old well plugged? XX Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name DIAMOND
Model number 20GPM HP 1-1/2 Volts 220
Length of Drop Pipe 122 ft. capacity 1400 G.P.M
TYPE: XX Submersible ☐ Jet @ 50 PSI
PRESSURE TANK:
Manufacturer's name _____
Model number WX-302 Capacity X-TROL Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
FINE SAND	26	26
GRAVEL	5	31
FINE SAND	6	37
GRAVEL	8	45
FINE SAND	21	66
BROWN CLAY	8	74
FINE SAND	5	79
BROWN CLAY	4	83
HARD SILTY SAND	14	97
SILTY WET SAND/CLAY	12	109
GRAY CLAY	19	128
DIRTY WET SAND	5	133
FINE-MED. WET SAND	9	142

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. of Public Health
NOV 08 1996
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS

JUN - 5 1996

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

17. Rig Operator's Name:

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.

STOVALL WELL DRILLING CO. 41-0761
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 2132 FOUR MILE ROAD NE

Signed Howard Stovall Date 6-3-96
AUTHORIZED REPRESENTATIVE

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.
SEP 11 1978

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

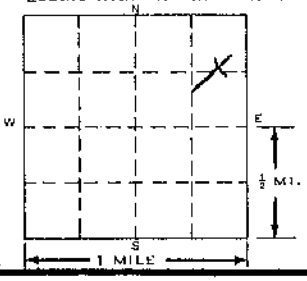
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T7N	R12W

Distance And Direction from Road Intersections
1/4 MILE WEST OF BRISTOL
& N NORTH SIDE OF SANDRA

Street address & City of Well Location 1739 SANDRA

Locate with "X" in section below

Skotch Map:



3 OWNER OF WELL:
WILLIAM SHEPARD
Address 948 MAYNARD N.W.
GRAND RAPIDS, MICH

4 WELL DEPTH: (completed) Date of Completion
98 ft. 7 JUNE 78

5
☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE:
☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐ ____

7 CASING:
Threaded ☒ Welded ☐
Diam. 4 in. to 95 ft. Depth
____ in. to ____ ft. Depth
Height: Above/Below Surface 3 ft.
Weight 11.89 lbs./ft.
Drive Shoe? Yes ☒ No ☐

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	60'	60'
Clay & Sand	20'	80'
Water Sand	18'	98'

8 SCREEN:
Type: JOHNSON Dia.: 4"
Slot/Gauze #7 Length 5'
Set between 93 ft. and 98 ft.
Fittings: 4" LEAD PACKER

9 STATIC WATER LEVEL
20 ft. below land surface

10 PUMPING LEVEL below land surface
____ ft. after ____ hrs. pumping ____ g.p.m.
UNKNOWN
____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY In Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
UNKNOWN
Hardness ____ Other ____

12 WELL HEAD COMPLETION:
☐ In Approved Pit
☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted?
☐ Yes ☒ No
☐ Neat Cement ☐ Bentonite ☐ ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
60 feet N Direction SEPTIC Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
☐ Not installed
Manufacturer's Name RED JACKET
Model Number 5100NI HP 1 Volts 230
Length of Drop Pipe 80 ft. capacity 20 G.P.M.
Type: ☒ Submersible
☐ Jet ☐ Reciprocating

RECEIVED
JUN 12 1978
KENT COUNTY HEALTH DEPT.

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.
ADDED INFO BY DRILLER, ITEM NO.
*CORRECTED BY
**ADDITION BY SP
ELEVATION
DEPTH TO ROCK

17 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.

Wahlfield Drilling Co 0395
REGISTERED BUSINESS NAME REGISTRATION NO.
4444 Westshore Dr. NW
Address Muskegon Heights, Mich.
Signed Don Wahlfield Date 7 June 78
AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

(3)

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	¼ NE ¼ SW ¼	10	T 7N N/S.	R 12 W.

Distance And Direction from Road Intersections: 500 FT SOUTH OF WALDORF ON EAST SIDE OF WALKER

OWNER No. 207

Street address & City of Well Location: 2252 WALKER

3 OWNER OF WELL: GLENN SCOTT

Address: 2252 WALKER N.W. GRAND RAPIDS, MICH

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
DRY YELLOW SAND	40'	40'
SAND GRAVEL MIX	24'	64'
CLEAN WATER SAND	5'	69'

4 WELL DEPTH: (completed) 69 ft. **Date of Completion** 17 MAR 70

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 4 in. to 64 ft. Depth; Threaded ☐ Welded ☒; Height: ~~Above~~/Below surface 4 ft.; Weight N.00 lbs/ft.; ___ in. to ___ ft. Depth; Drive Shoe? Yes ☒ No ☐

8 SCREEN: Type: JOHNSON Dia.: 4" Slot/~~Gauze~~ # 7 Length 5' Set between 64 ft. and 69 ft.

Fittings: LEAD PACKER

9 STATIC WATER LEVEL 54 ft. below land surface

10 PUMPING LEVEL below land surface

UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.

UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million: Iron (Fe) UNKNOWN Chlorides (Cl) ___ Hardness ___

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING: Well Grouted? ☐ Yes ☒ No Material: ☐ Neat Cement ☐ ___ Depth: From ___ ft. to ___ ft.

14 SANITARY: Nearest Source of possible contamination 60 feet W Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP: Manufacturer's Name RED JACKET

Model Number 5100 NI 7 CBP 1 hp

Length of Drop Pipe 62 ft. capacity 20 G.P.M.

Type: ☒ Submersible ☐ ___ ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

CORRECTED BY:

ADDITION BY:

17 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 4449 Westshore Dr NW

Signed Thomas E. Wakefield Date 17 Mar 70

AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

JUN 12 1970

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

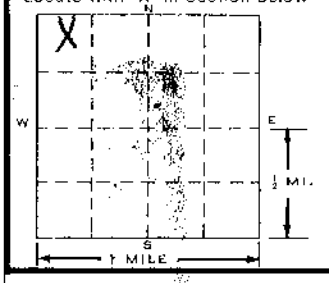
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	WALKER	NW ¼ NW ¼ NW ¼	18	7 N/S	12 E/W

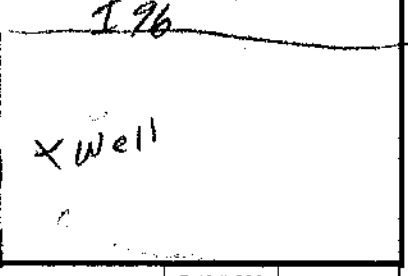
Distance And Direction From Road Intersection: 3/10THS OF 1 MI S. OF I-96 / 150 YARDS E. OF WALKER AVE G.R.

Street Address & City of Well Location: 2930 WALKER AVE.

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL

ESTHER RUTH

Address: 2930 WALKER, N.W. G.R. 49504

Address Same As Well Location? [✓] Yes [ ] No

4 WELL DEPTH

60 FT.

Date Completed: MO. 6 DAY 21 YEAR 91

[✓] 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

____ in. to ____ ft. depth

____ in. to ____ ft. depth

Grouted Drill Hole Diameter

____ in. to ____ ft. depth

____ in. to ____ ft. depth

Height: Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe [✓] Yes [ ] No

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Gravel	12	12
Clay & Gravel	12	24
Gray Clay	20	54
Water Sand	6	60

8 SCREEN

[ ] Not Installed

Type STAINLESS Diameter 5 1/2

Slot/Gauze 7 Length 5

Set between 55 ft. and 60 ft.

FITTINGS [✓] K-Packer [ ] Lead Packer [ ] Bremer Check

[✓] Blank above screen 1 ft. Other

9 STATIC WATER LEVEL

30 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

40 ft. after 1 hrs. pumping at 40 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 0 to 25 ft.

[ ] Neat cement [✓] Bentonite [ ] Other

No. of bags of cement 6 Additives

13 Nearest source of possible contamination

Type SEPTIC Distance 55 ft. Direction N.W.

Well disinfected upon completion? [✓] Yes [ ] No

Was old well plugged? [✓] Yes [ ] No

14 PUMP

[ ] Not Installed [ ] Pump Installation Only

Manufacturer's name BURKS

Model number 10 HP 1/2 Volts 240

Length of Drop Pipe 40 ft. Capacity 5 G.P.M.

TYPE: [✓] Submersible [ ] Jet

PRESSURE TANK

Manufacturer's name: Well X Trol

Model number 203 Capacity 60 Gallons

RECEIVED
JUL - 1 1991

RECEIVED
Mich. Dept. of Public Health
JUL 22 1991
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS

USE A 2ND SHEET IF NEEDED

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.

TRI NORTHERN W/D 1561
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 501 BRAMAN SE. SPARTA MI

Signed Thomas Tomen Date 6-21-91
AUTHORIZED REPRESENTATIVE

17. Rig Operator's Name: Moose Losey

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

(1)

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	WALKER (TWP) CITY	SW SE¼ NE¼	10	7 N/~~S~~	12 ~~E~~/W.

Distance And Direction from Road Intersections

Lot #19, Glaus Plat #2,
Addition to City of Walker, Sec.10, T7N, R12W

OWNER No.

Street address & City of Well Location Same as Owner

3 OWNER OF WELL:

Theodore Luce
Address 1786 Sandra, NW
Grand Rapids, Michigan

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	101'	101'
Clay, Gravelly, Brown	4	105
Gravel, Sandy, Vein	7	112
(Static Water Level @ 102')		
Clay, Gray	1	113
Sand, Water Vein	3	116
Clay, Blue, Gravelly	3	119
Gravel, Water Vein	6	125

4 WELL DEPTH: (completed) 125 ft. Date of Completion April 20, 1969

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ___

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ___

7 CASING: Diam. 4 in. to 120 ft. Depth; Threaded [ ] Welded [X]; Height: Above/~~Below~~ surface 1 ft.; Weight 11 lbs/ft.; ___ in. to ___ ft. Depth; Drive Shoe? Yes [X] No [ ]

8 SCREEN:

Type: Stainless Steel Dia.: 3 3/4"
Slot/~~Mesh~~ #10 Length 5'
Set between 120 ft. and 125 ft.
Fittings: Lead Packer Top

9 STATIC WATER LEVEL

77 ft. below land surface

10 PUMPING LEVEL below land surface

80 ft. after 2 hrs. pumping 60 g.p.m.
___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___
Hardness ___ NO TEST

12 WELL HEAD COMPLETION: [ ] In Approved Pit [ ] Pitless Adapter [X] 12" Above Grade

13 GROUTING:

Well Grouted? [ ] Yes [X] No
Material: [ ] Neat Cement [ ] ___
Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination
75 feet S Direction ~~Sept Tk~~ Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP:

Manufacturer's Name Decatur Pump Co.
Model Number 10SH10P HP 1
Length of Drop Pipe 86 ft. capacity 22 G.P.M.
Type: [X] Submersible [ ] ___ [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

*CORRECTED BY:

**ADDITION BY:

17 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.

M. H. O'NEILL & SON — REGISTERED BUSINESS NAME — 0165 — REGISTRATION NO.

Address 1634 Four Mile, NE, Grand Rapids, Mich.

Signed M. H. O'Neil — AUTHORIZED REPRESENTATIVE — Date May 1, 1969

D67D 100M 6-66

Jan 1970

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

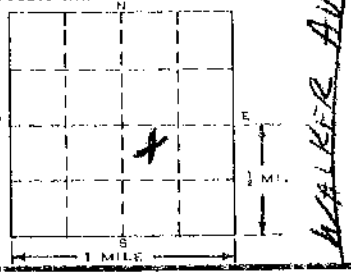
1 LOCATION OF WELL

County: KENT | Township Name: WALKER | Fraction: SE ¼ NW ¼ NW ¼ | Section Number: 10 | Town Number: 7 N/S | Range Number: 12 E/W

Distance And Direction From Road Intersection: 50 yds S. OF WALDORF ½ mi E. OF WALKER AVE

Street Address & City of Well Location: 1717 CARGILL WALDORF

Locate with "X" in Section Below — Sketch Map



3 OWNER OF WELL: CLINTON DOUGHERTY

Address: 1717 CARGILL WALKER

Address Same As Well Location? ☑ Yes ☐ No

4 WELL DEPTH: 144 FT. | Date Completed: MO 11 DAY 11 YEAR 87 | ☑ 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: 4 in. to 138 ft. depth; 3½ in. to 144 ft. depth; Grouted Drill Hole Diameter ___ in. to ___ ft. depth; ___ in. to ___ ft. depth

☑ Steel ☑ Threaded ☐ Plastic ☐ Welded

Height Above/~~Below~~ Surface 1 ft. | Weight 11 lbs./ft. | Drive Shoe ☑ Yes ☐ No

8 SCREEN ☐ Not Installed

Type STAINLESS | Diameter 3½ | Slot/Gauze 7 | Length 5

Set between 134 ft. and 144 ft.

FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☑ Blank above screen 1 ft. | Other _____

9 STATIC WATER LEVEL: 20 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

120 ft. after 1 hrs. pumping at 25 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 SEPTIC | Distance 50 ft. | Direction N. W.

Well disinfected upon completion? ☑ Yes ☐ No

Was old well plugged? ☐ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name BURKS

Model number 116 | HP 3/4 | Volts 240

Length of Drop Pipe 130 ft. | capacity 15 G.P.M.

TYPE: ☑ Submersible ☐ Jet

PRESSURE TANK: Manufacturer's name Reuna Air

Model number _____ | Capacity 40 Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
DRY SAND	90	90
GRAVEL	21	111
GRAY CLAY	27	138
WATER SAND	6	144

USE A 2ND SHEET IF NEEDED

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

RECEIVED
Mich. Dept. of Public Health
DEC 07 1987

17. Rig Operator's Name:

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.

TRI NORTHERN W/D — REGISTERED BUSINESS NAME | 1564 — REGISTRATION NO.

Address 501 BROMAN RD Sparta

Signed Thomas Tomasen — AUTHORIZED REPRESENTATIVE | Date 11/14/87

D67d 12/85

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

Bureau of Environmental and Occupational Health - GWQS

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

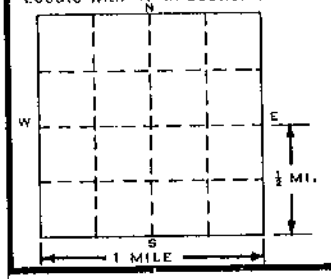
1 LOCATION OF WELL

County: Kent | Township Name: Walker City | Fraction: ¼ ¼ ¼ | Section Number: 10 | Town Number: 7 N/S | Range Number: 12 E/W

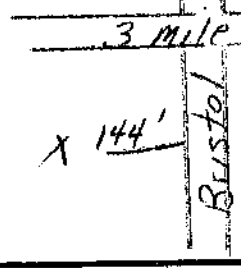
Distance And Direction From Road Intersection: 144' W of Bristol 3/10 Mi. S. of 3 Mile Rd.

Street Address & City of Well Location: 2605 Bristol N.W. Grand Rapids Mi.

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL: Stanley Wisniewski

Address: 2605 Bristol N.W. Grand Rapids Mi.

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH: (completed) 127 ft. | **Date of Completion** Aug 19 1988

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Auger [ ] Jetted [ ]

6 USE: [X] Domestic [ ] Type I Public [ ] Type III Public [ ] Irrigation [ ] Type IIa Public [ ] Heat pump [ ] Test Well [ ] Type IIb Public [ ]

7 CASING: [X] Steel [X] Threaded [ ] Plastic [ ] Welded

4 in. to 122 ft. depth

____ in. to ____ ft. depth

Grouted Drill Hole Diameter

____ in. to ____ ft. depth

____ in. to ____ ft. depth

Height: Above/Below

Surface 1 ft.

Weight 12 lbs/ft.

Drive Shoe [X] Yes [ ] No

8 SCREEN: Johnson SS - [ ] Not Installed

Type Wire Wound Diameter 3"

Slot/Gauze 12 Length 5

Set between 122 ft. and 127 ft.

FITTINGS: [X] K-Packer [ ] Lead Packer [ ] Bremer Check [X] Blank above screen 8 ft. Other ____

9 STATIC WATER LEVEL: 80 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

80 ft. after 3 hrs. pumping at 60 G.P.M.

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

11 WELL HEAD COMPLETION: [X] Pitless adapter [ ] 12" above grade [ ] Basement offset [ ] Approved pit

12 WELL GROUTED? [X] No [ ] Yes From ____ to ____ ft.

[ ] Neat cement [ ] Bentonite [ ] Other ____

No. of bags of cement ____ Additives ____

13 Nearest source of possible contamination

Type Septic tank Distance 50 ft. Direction S

Well disinfected upon completion? [X] Yes [ ] No

14 PUMP: [ ] Not Installed [ ] Pump Installation Only

Manufacturer's name DeCatur Pump Co

Model number 15SNB14C HP 1½ Volts 230

Length of Drop Pipe 105 ft. capacity 24 G.P.M.

TYPE: [X] Submersible [ ] Jet ____

PRESSURE TANK

Manufacturer's name UNKNOWN Used By Owner

Model number 9/AV Capacity 220 Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
SAND	42	42
CLAY	18	60
COARSE SAND	30	90
FINE SAND-CLAY silt	26	116
COARSE SAND.	11	127

USE A 2ND SHEET IF NEEDED

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.

Zo Roc Well Drilling 0399.

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 0-11120 - 10 Ave Grand Rapids Mi.

Signed ____ AUTHORIZED REPRESENTATIVE Date Dec 17 1988

D67d 2/84

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PART 127 ACT 368, P.A. 1978

PERMIT NUMBER

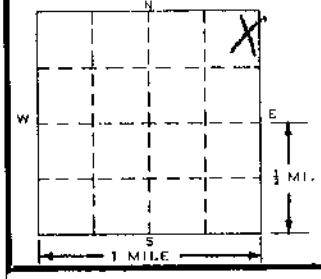
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T7N S	R12W E

Distance And Direction From Road Intersection: 2731 BRISTOL N.W. GR.

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL: MRS JAMES JANOSE

Address 2731 BRISTOL NW GRAND RAPIDS MICH

Address Same As Well Location? ☐ Yes ☐ No

4 WELL DEPTH: (completed) 94 ft. **Date of Completion** 19 DEC 85

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

4 in. to 91 ft. depth

___ in. to ___ ft. depth

Grouted Drill Hole Diameter

___ in. to ___ ft. depth

___ in. to ___ ft. depth

Height Above/~~Below~~ Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	50'	50'
Fine grey sand	30'	80'
Clay Gravel mix	10'	90'
Water sand	4'	94'
Very narrow Screen		

8 SCREEN: ☐ Not Installed

Type JOHNSON Diameter 4"

Slot/Gauze #10 Length 3'

Set between 91 ft. and 94 ft

FITTINGS: ☐ K-Packer ☒ Lead Packer ☐ Bremer Check ☐ Blank above screen ___ ft Other ___

9 STATIC WATER LEVEL: 75 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

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

UNKNOWN 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 SEPTIC Distance 60 ft Direction W

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP: ☐ Not installed ☐ Pump Installation Only

Manufacturer's name RED JACKET

Model number S75N1 HP ¾ Volts 230

Length of Drop Pipe 77 ft. capacity 10 G.P.M

TYPE: ☒ Submersible ☐ Jet ___

PRESSURE TANK:

Manufacturer's name CLAYTON MARK

Model number 100-35 Capacity ___ Gallons

RECEIVED
Mich. Dept. of Public Health
JAN 10 1986
KENT COUNTY HEALTH DEPT.
Bureau of Environmental and Occupational Health - GWQS

USE A 2ND SHEET IF NEEDED

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.

Caldfield Plumbing Co 0995

REGISTERED BUSINESS NAME REGISTRATION NO.

Address [illegible]

Signed [signature] AUTHORIZED REPRESENTATIVE Date 12-19-85

D67d (Rev. 10-80)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

AUG 22 1972

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

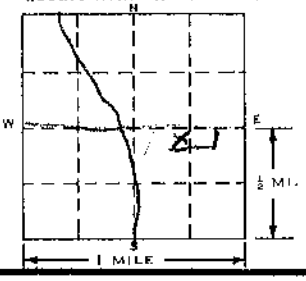
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	SE ¼ NE ¼	10	T7N S.	R12W

Distance And Direction from Road Intersections: ABOUT 600 FT WEST OF MONICLAIR ON NORTH SIDE OF CARGILL

Street address & City of Well Location: 1741

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:
NORMAN B. GILLIS

Address 1741 CARGILL N.W.

GRAND RAPIDS MICH

4 WELL DEPTH: (completed) Date of Completion
148 ft. 1 MAR 72

5
☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Borod ☐ ____

6 USE:
☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐

7 CASING:
Threaded ☒ Welded ☐ Diam.

4 in. to 143 ft. Depth

____ in. to ____ ft. Depth

Height: ~~Above~~ Below Surface 3 ft.

Weight 11.08 lbs./ft.

Drive Shoe? Yes ☒ No ☐

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Dry yellow sand	70'	70'
Stones	5'	75'
Sand	47'	122'
Clay gravel	21'	143'
Coated Gravel	5'	148'
Not to clean & top of Lime rock		

USE A 2ND SHEET IF NEEDED

8 SCREEN:
Type: JOHNSON Dia.: 4"

Slot ~~Gauze~~ # 150 Length 5'

Set between 143 ft. and 148 ft.

Fittings: 4" LEAD PACKER

9 STATIC WATER LEVEL
95 ft. below land surface

10 PUMPING LEVEL below land surface
____ ft. after ____ hrs. pumping ____ g.p.m.

UNKNOWN

____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) UNKNOWN Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION:
☐ In Approved Pit
☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted?
☐ Yes ☒ No
☐ Neat Cement ☐ Bentonite ☐ ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
60 feet W Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
☐ Not installed

Manufacturer's Name RED JACKET

Model Number S100 1586 HP 1 Volts 220

Length of Drop Pipe 126 ft. capacity 10 G.P.M.

Type: ☒ Submersible
☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.
RPTD. BY DRILLER

CORRECTED BY

ADDITION

17 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.

Wakefield Drilling Co. 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4449 Westshire Dr. NW

Address

Comstock Pk. Mich.

Signed Don Wakefield Date 7 Mar 72

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

DEC 14 1972

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

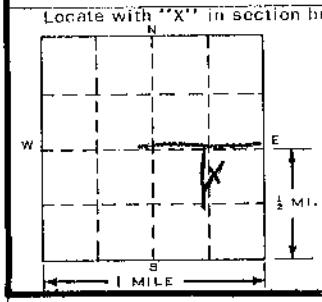
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ NE ¼ SE ¼	10	7 N/S.	12 E/W

Distance And Direction from Road Intersections: CORNER OF WALDORF AND ON EAST SIDE OF MONTCLAIR

Street address & City of Well Location: UNKNOWN

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL: SILAS SPRAGUE

Address: 2220 CLYDE PARK

GRAND RAPIDS, MICH

4 WELL DEPTH: (completed) 104 ft. **Date of Completion** 20 Oct 72

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [X] Welded [ ] Diam. 4 in. to 99 ft. Depth; ____ in. to ____ ft. Depth

Height: ~~Above~~/Below Surface 3 ft. Weight 11.90 lbs./ft. Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
yellow sand	85'	85'
fine yellow sand	10'	95'
clean water sand	9'	104

USE A 2ND SHEET IF NEEDED

8 SCREEN: Type JOHNSON Dia.: 4" Slot/~~Gauze~~ #7 Length 5' Set between 99 ft. and 104 ft.

Fittings: 4" LEAD PACKER

9 STATIC WATER LEVEL 85 ft. below land surface

10 PUMPING LEVEL below land surface

UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.

UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) UNKNOWN Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No [ ] Neat Cement [ ] Bentonite [ ] ____ Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

60 feet E Direction SEPTIC Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed

Manufacturer's Name RED JACKET

Model Number 5100 NI HP 1 Volts 220

Length of Drop Pipe 90 ft. capacity 18 G.P.M.

Type: [X] Submersible [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER ITEM #16

CORRECTED BY ____

**ADDITION BY ____

17 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4449 Westshire Dr

Address

Comstock Park Mich

Signed Don Wakefield Date 2 Oct 72

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

FEB 0 3 1976

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

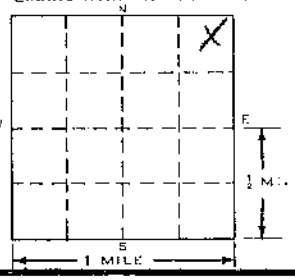
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T7N N/S.	R12W E/W.

Distance And Direction from Road Intersections: 300 FT SOUTH OF 3 MILE RD ON WEST SIDE OF BRISTOL

Street address & City of Well Location: 2731 BRISTOL

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

MRS JAMES JANOSE

Address: 2731 BRISTOL NW

GRAND RAPIDS, MICH

4 WELL DEPTH: (completed) Date of Completion

196 ft. 12 DEC 75

5

☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug

☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE:

☒ Domestic ☐ Public Supply ☐ Industry

☐ Irrigation ☐ Air Conditioning ☐ Commercial

☐ Test Well ☐ STORAGE

7 CASING:

Threaded ☒ Welded ☐

Diam. 4 in. to 180 ft. Depth

4" In Rock 16 ft. Depth

Height: ~~Above~~/Below Surface 3 ft.

Weight 11.35 lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: ROCK WELL

Slot/Gauze ____ Length ____

Set between ____ and ____ ft.

Fittings: NONE

9 STATIC WATER LEVEL

70 ft. below land surface

10 PUMPING LEVEL below land surface

____ UNKNOWN after ____ hrs. pumping ____ g.p.m.

____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) UNKNOWN Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION:

☐ In Approved Pit

☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☐ Yes ☒ No

☐ Neat Cement ☐ Bentonite ☐ ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

100 feet S Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name REPUBLIC

Model Number 5 150 N1 HP ½ Volts 3 PHASE 220

Length of Drop Pipe 177 ft. capacity 20 G.P.M.

Type: ☒ Submersible ☐ Jet ☐ Reciprocating

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Red Clay	20'	20'
Blue clay	60'	80'
Very narrow vein	3'	83'
Stones & clay	75'	158'
Clay gravel	22	180'
Dark Sandrock	16'	196'

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY SJ

**ADDITION BY

ELEVATION

DEPTH TO ROCK

17 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.

Wahlfield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4449 Byron Center Ave Wyo Mich

Address

Signed Don Wahlfield Date 15 Dec 75

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

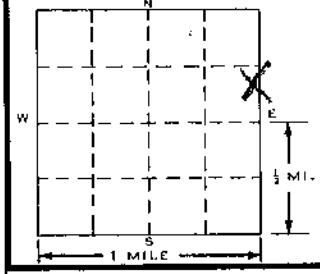
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	City of Walker	¼ ¼ ¼	10	7 (N/S)	12 (E/W)

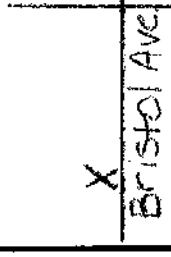
Distance And Direction From Road Intersection

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map: ½ mile



3 OWNER OF WELL:

George Butler
Address 1754 Sandra St.
Walker, MI

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH: 119 FT. | Date Completed MO. 04 DAY 12 YEAR 90 | [ ] New Well [X] Replacement Well

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Auger [ ] Jetted [ ] _____

6 USE: [X] Domestic [ ] Type I Public [ ] Type III Public [ ] Irrigation [ ] Type IIa Public [ ] Heat pump [ ] Test Well [ ] Type IIb Public [ ] _____

7 CASING: Diameter [X] Steel [ ] Threaded [ ] Plastic [ ] Welded
4 in. to 110 ft. depth
_____ in. to _____ ft. depth
Grouted Drill Hole Diameter
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 1 ft.
Weight _____ lbs./ft.
Drive Shoe [X] Yes [ ] No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	70	70
Clay and Stone	38	108
Gravel	11	119

USE A 2ND SHEET IF NEEDED

8 SCREEN: [ ] Not Installed
Type Plastic Diameter 4"
Slot/Gauze .035 Length 10'
Set between 109 ft. and 119 ft.
FITTINGS: [ ] K-Packer [ ] Lead Packer [ ] Bremer Chock [ ] Blank above screen _____ ft. Other neoprene

9 STATIC WATER LEVEL:
70 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface
_____ ft. after _____ hrs. pumping at _____ G.P.M.
_____ ft. after _____ hrs. pumping at _____ G.P.M.

11 WELL HEAD COMPLETION: [X] 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 _____ Distance _____ ft. Direction _____
Well disinfected upon completion? [X] Yes [ ] No
Was old well plugged? [ ] Yes [ ] No

14 PUMP: [ ] Not Installed [ ] Pump Installation Only
Manufacturer's name Franklin/Goulds pump
Model number _____ HP 1 Volts _____
Length of Drop Pipe 100 ft. capacity _____ G.P.M.
TYPE: [ ] Submersible [ ] Jet _____
PRESSURE TANK
Manufacturer's name X-trol
Model number 250 Capacity _____ Gallons

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

17. Rig Operator's Name:

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.

Geiger Water Well Const. Inc. 0700
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 5043 Whites Bridge Rd., Belding, 48809
Signed Wayne D. Kaye Date 5-17-90
AUTHORIZED REPRESENTATIVE

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

D67d 2/89

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

OCT 09 1972

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

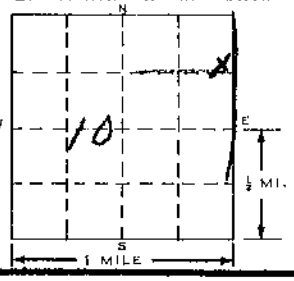
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	SE¼ SE¼ NE¼	10	T7N N/S.	R12E W/

Distance And Direction from Road Intersections: 300 FT WEST OF BRISTOL RD ON NORTH SIDE OF SANDRA

Street address & City of Well Location: 1621 SANDRA

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL:

DAVID DUBICKI

Address 1621 SANDRA NW

GRAND RAPIDS, MICH

4 WELL DEPTH: (completed) Date of Completion

89 ft. 9 JUNE 72

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [X] Welded [ ] Diam.

4 in. to 84 ft. Depth

____ in. to ____ ft. Depth

Height: ~~Above~~ Below Surface 3 ft.

Weight 11.09 lbs./ft.

Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Dry yellow sand	70'	70'
Clay & " sand mix	14'	84'
Clean water sand	5'	89'

Drilled by D Jenn

8 SCREEN:

Type: JOHNSON Dia.: 4"

Slot ~~Gauge~~ #7 Length 5'

Set between 84 ft. and 89 ft.

Fittings: 4" LEAD PACKER

9 STATIC WATER LEVEL

70 ft. below land surface

10 PUMPING LEVEL below land surface

____ ft. after ____ hrs. pumping ____ g.p.m.

UNKNOWN

____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ____ Chlorides (Cl) ____

UNKNOWN

Hardness ____ Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No

[ ] Neat Cement [ ] Bentonite [ ] ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

50 foot E Direction SEPTIC Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed

Manufacturer's Name RED JACKET

Model Number 5100 NI HP 1 Volts 220

Length of Drop Pipe 73 ft. capacity 20 G.P.M.

Type: [X] Submersible [ ] Jet [ ] Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM No.

*CORRECTED BY:

**ADDITION BY:

17 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.

Wahlfeld Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4444 Kalamazoo Ave SE

Address

Grand Rapids Mich

Signed Wm Wahlfeld 20 June 72

AUTHORIZED REPRESENTATIVE Date

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER X

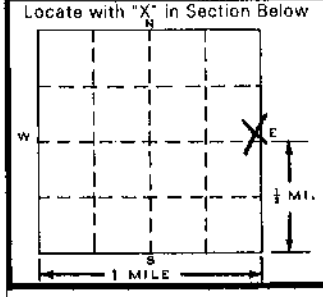
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY of WALKER	1/4 1/4 1/4	10	T7N N/S	R12W W

Distance And Direction From Road Intersection: 2425 Bristol N.W.

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL: RALPH VANDER KLOK SR

Address 465 4 MILE NW

GRANDVILLE MICH

Address Same As Well Location? ☒ Yes ☐ No

4 WELL DEPTH: (completed) 84 ft. | **Date of Completion** 23 JUNE 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

4 in. to 79 ft. depth

_____ in. to _____ ft. depth

Grouted Drill Hole Diameter

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	30'	30'
Clay Sandy	40'	70'
Water Sand	14'	84'

8 SCREEN: ☐ Not Installed

Type JOHNSON Diameter 4"

Slot/Gauze #7 Length _____

Set between 79 ft. and 84 ft.

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

☐ Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL:

60 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

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

_____ ft. after UNKNOWN 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 SEPTIC Distance 75 ft. Direction W

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name RED JACKET

Model number 500N HP 1½ Volts 220

Length of Drop Pipe 67 ft. capacity 20 G.P.M.

TYPE: ☒ Submersible ☐ Jet _____

PRESSURE TANK:

Manufacturer's name CLAYTON MARK

Model number 100-35 Capacity BURIED gallons

USE A 2ND SHEET IF NEEDED

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

RECEIVED
Mich. Dept. of Public Health
AUG 26 1986
Bureau of Environmental and Occupational Health - GWOS

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.

Oak Well Drilling 90395

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 4479 W Olive Rd Ionia MI

Signed Don Warfield Date 6-25-86

AUTHORIZED REPRESENTATIVE

D67d 2/84

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 [ ][ ][ ][ ][ ][ ][ ][ ][ ]

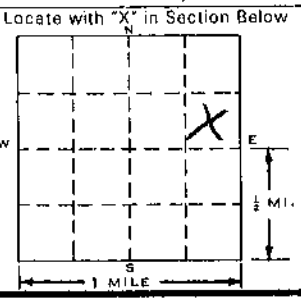
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T 7 N/S	R 12 W/E

Distance And Direction From Road Intersection: 1665 SANDRA

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL: JOHN SWANSON

Address 1665 SANDRA

GRAND RAPIDS, MICH

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH: (completed) 100 ft. **Date of Completion** 18 JUNE 86

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Auger [ ] Jetted [ ] _____

6 USE: [X] Domestic [ ] Type I Public [ ] Type III Public [ ] Irrigation [ ] Type IIa Public [ ] Heat pump [ ] Test Well [ ] Type IIb Public [ ] _____

7 CASING: Diameter [X] Steel [X] Threaded [ ] Plastic [ ] Welded

4 in. to 75 ft. depth

_____ in. to _____ ft. depth

Grouted Drill Hole Diameter

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe [X] Yes [ ] No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	45'	45'
Grey Sand	35'	80'
Sand & Clay	10'	90'
Water Sand	10'	100'

USE A 2ND SHEET IF NEEDED

8 SCREEN: [ ] Not Installed

Type JOHNSON Diameter 4"

Slot/Gauze #7 Length 5'

Set between 95 ft. and 100 ft

FITTINGS: [ ] K-Packer [X] Load Packer [ ] Bremer Check

[ ] Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL: 75 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

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

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

11 WELL HEAD COMPLETION: [X] Pitless adapter [ ] 12" above grade [ ] Basement offset [ ] Approved pit

12 WELL GROUTED? [ ] No [X] Yes From _____ to _____ ft.

[ ] Neat cement [X] Bentonite [ ] Other _____

No. of bags of cement _____ Additives _____

13 Nearest source of possible contamination

Type SEPTIC Distance 25 ft. Direction NW

Well disinfected upon completion? [X] Yes [ ] No

14 PUMP: [ ] Not Installed [ ] Pump Installation Only

Manufacturer's name RED JACKET

Model number S100N1 HP 1 Volts 220

Length of Drop Pipe 84 ft. capacity 20 G.P.M.

TYPE: [X] Submersible [ ] Jet _____

PRESSURE TANK:

Manufacturer's name CRAYTON MARK

Model number 100-35 Capacity _____ 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4479 Wesley Grand Rapids Mich

Address

Signed [signature] Date 6-25-86

AUTHORIZED REPRESENTATIVE

D67d 2/84

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

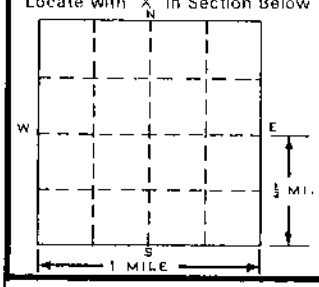
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	City of WALKER	¼ ¼ ¼	10	7 (N/S)	12 (E/W)

Distance And Direction From Road Intersection

Street Address & City of Well Location

Locate with "X" in Section Below — Sketch Map



CARGILL

3 OWNER OF WELL:

Address: JAMES McKENLEY 1980 CARGILL NW WALKER MI 49504

Address Same As Well Location? ☒ Yes ☐ No

4 WELL DEPTH: 102 FT. — Date Completed: MO. 1 DAY 18 YEAR 90 — ☒ 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

4 in. to 87 ft. depth

____ in. to ____ ft. depth

Grouted Drill Hole Diameter

____ in. to ____ ft. depth

____ in. to ____ ft. depth

Height: Above/Below

Surface 1 ft.

Weight 10.79 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
SAND	31	31
COARSE SAND	23	54
CLAY	17	71
FINE SAND	31	102

8 SCREEN: ☐ Not Installed

Type PLASTIC Diameter 3"

Slot/Gauze .08 Length 14

Set between 101 ft. and 88 ft.

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

☐ Blank above screen ____ ft. Other ____

9 STATIC WATER LEVEL:

70 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

____ ft. after ____ hrs. pumping at ____ 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 ____ 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 CUSTOMERS

Model number ____ HP ____ Volts ____

Length of Drop Pipe 79 ft. capacity ____ G.P.M.

TYPE: ☐ Submersible ☐ Jet ____

PRESSURE TANK:

Manufacturer's name X-TROL

Model number 203 Capacity ____ Gallons

USE A 2ND SHEET IF NEEDED

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

17. Rig Operator's Name:

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.

KARL GEIGER WATER WELL CONST. INC 0700

REGISTERED BUSINESS NAME — REGISTRATION NO.

Address 5943 WHITES BRIDGE RD BELDING, MI 48809

Signed Darlene K Johnson Date 1-25-90

AUTHORIZED REPRESENTATIVE

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

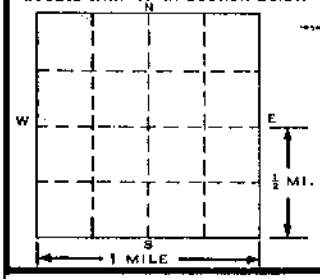
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	City of Walker	¼ ¼ ¼	10	7 N/S	12 E/W

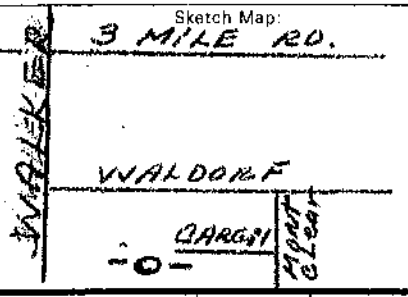
Distance And Direction From Road Intersection: 150' S.W.of end of Cargill-South of Waldorf Ave.

Street Address & City of Well Location: 1780 Cargill, N.W.

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL: Mr. James McKinley
Address: 1780 Cargill, N.W., Walker, MI.

Address Same As Well Location? XX Yes ☐ No

4 WELL DEPTH: 151 FT. | Date Completed MO. 11 DAY 6 YEAR 85 | XX 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: XX Steel ☒ Threaded ☐ Plastic ☐ Welded
4 in. to ____ ft. depth
____ in. to ____ ft. depth
Grouted Drill Hole Diameter
____ in. to ____ ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe ☐ Yes ☒ No

8 SCREEN: ☐ Not Installed
Type Stainless St. Diameter 4"
Slot/Gauge 10 Length 5'
Set between 146 ft. and 151 ft.
FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen ____ ft. Other Screwed

9 STATIC WATER LEVEL: 70 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface
____ ft. after 4 hrs. pumping at 25 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 XX Yes From 0 to 146 ft.
☐ Neat cement XX Bentonite ☐ Other
No. of bags of cement ____ Additives ____

13 Nearest source of possible contamination
Type Septic Tank Distance 100 ft. Direction S.E.
Well disinfected upon completion? XX Yes ☐ No
Was old well plugged? ☐ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's name Aermotor
Model number A12-75 HP 3/4 Volts 230
Length of Drop Pipe 126 ft. capacity 12 G.P.M.
TYPE: ☒ Submersible ☐ Jet
PRESSURE TANK:
Manufacturer's name Amtrol
Model number WX 203 Capacity ____ Gallons

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	21	21
Sand & Gravel	8	29
Sandy Clay & Gravel	5	34
Sand	17	51
Clay	25	76
Silty Sandy Clay	39	115
Hardpan	4	119
Clay & Gravel	23	142
Gravel (small) T.D.*	9	151*
Hardpan	4	155

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. of Public Health
SEP 30 1986
Bureau of Environmental and Occupational Health - GWOS

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

17. Rig Operator's Name:

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.

Raymer Company, Inc. 0384
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 3311 Three Mile Road, N.W., Grand Rapids, MI

Signed R. T. Raymer Jr. Date Dec. 4, 1985
AUTHORIZED REPRESENTATIVE

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

D67d 12/85

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO. [ ]

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER [ ][ ][ ][ ][ ][ ][ ][ ]

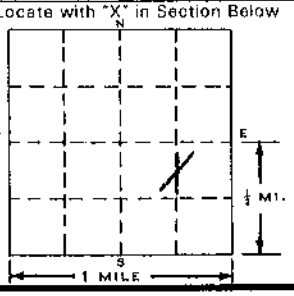
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	WALKER	¼ ¼ ¼	10	T7N N/S	R12W E/W

Distance And Direction From Road Intersection: 2360 Mt Olivet

Street Address & City of Well Location

Locate with "X" in Section Below — Sketch Map:



3 OWNER OF WELL: GEORGE TAYLOR

Address 1690 SANDRA NW GRAND RAPIDS MICH

Address Same As Well Location? ☐ Yes ☐ No

4 WELL DEPTH: (completed) 100 ft. — **Date of Completion** 10 Oct 85

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

4 in. to 75 ft. depth

_____ in. to _____ ft. depth

Grouted Drill Hole Diameter

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	75'	75'
Clay & Sand	15'	90'
Water Sand	10'	100'

8 SCREEN: ☐ Not Installed

Type JOHNSON Diameter 4"

Slot/Gauze #10 Length 5'

Set between 95 ft. and 100 ft.

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

☐ Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL: 75 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

_____ ft. after 1 hr. pumping at _____ 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 SEPTIC Distance 85 ft. Direction S

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name RED JACKET

Model number 5100NI HP 1 Volts 230

Length of Drop Pipe 84 ft. capacity 20 G.P.M.

TYPE: ☒ Submersible ☐ Jet

PRESSURE TANK:

Manufacturer's name CLAYTON MARK

Model number 100-35 Capacity _____ Gallons

RECEIVED NOV 6 1985

USE A 2ND SHEET IF NEEDED

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

RECEIVED Mich. Dept. of Public Health NOV 21 1985 Bureau of Environmental and Occupational Health - GWQS

KENT COUNTY HEALTH DEPT

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.

[illegible] 6955

REGISTERED BUSINESS NAME — REGISTRATION NO.

Address [illegible]

Signed [illegible] Date 10-18-85

AUTHORIZED REPRESENTATIVE

D67d 2/84

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
KENT	CITY OF WALKER	1/4 1/4 1/4	10	T7N/S	R12E/W

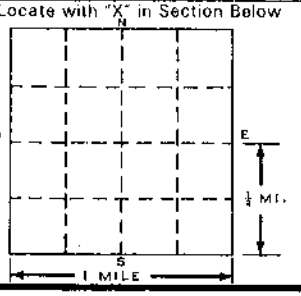
Distance And Direction From Road Intersection

1745 PINCROFF N.W.

Street Address & City of Well Location

Locate with "X" in Section Below

Sketch Map:



3 OWNER OF WELL:

LILH KREB

Address 950 JONES NW1

GRAND RAPIDS MICH

Address Same As Well Location? ☐ Yes ☐ No

4 WELL DEPTH: (completed)

89 ft.

Date of Completion: 11 APRIL 85

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

4 in. to 84 ft. depth

_____ in. to _____ ft. depth

Grouted Drill Hole Diameter

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height: Above/Below

Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	40'	40'
Clay Sand Mix	40'	80'
Water Sand	9'	89'

8 SCREEN:

☐ Not Installed

Type JOHNSON Diameter 4"

Slot/Gauze #7 Length 5'

Set between 84 ft. and 89 ft.

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

☐ Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL:

50 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

_____ ft. after UNKNOWN hrs. pumping at _____ 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 SEPTIC Distance 60 ft. Direction N

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP:

☐ Not Installed ☐ Pump Installation Only

Manufacturer's name RED JACKET

Model number SS50N1 HP 1/2 Volts 230

Length of Drop Pipe 63 ft. capacity 10 G.P.M.

TYPE: ☒ Submersible ☐ Jet _____

PRESSURE TANK:

Manufacturer's name CLAYTON MARK

Model number 100-35 Capacity _____ Gallons

RECEIVED
Mich. Dept. of Public Health
MAY 21 1985
Bureau of Environmental and Occupational Health - GWPCS

RECEIVED
APR 25
KENT COUNTY
HEALTH DEPT.

USE 2ND SHEET IF NEEDED

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.

Wahlfield Plumbing & Heating

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address _____

Signed _____ Date 5-11-85

AUTHORIZED REPRESENTATIVE

D67d 2/84

GEOLOGICAL SURVEY COPY

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

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	SW¼ SE¼ NE¼	10	T7N/S.	R12W/W.

Distance And Direction from Road Intersections: 1/4 MILE WEST OF BRISTOL AVE ON SOUTH SIDE ON SANDRA

OWNER No. 184

Street address & City of Well Location: 1772 SANDRA NW

3 OWNER OF WELL: BERRIT POHLER

Address: 5904 LAWNDALE HUDSONVILLE, MICH

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
~~Red clay~~		
Yellow sand	65'	65'
Clay gravel	30'	95'
Fine water sand	2'	97'
Course water sand	5'	102

4 WELL DEPTH: (completed) 102 ft. **Date of Completion** 23 SEPT 68

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 3 in. to 97 ft. Depth; Threaded ☐ Welded ☒; ___ in. to ___ ft. Depth

Height: Above/~~Below~~ surface PITLESS ADAPTER ft.

Weight 7.70 lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: JOHNSON Dia.: 2"

Slot/~~Gauge~~ #7 SLOT Length 5'

Set between 97 ft. and 102 ft.

Fittings: 3" CHECK VALVE

9 STATIC WATER LEVEL 75 ft. below land surface

10 PUMPING LEVEL below land surface

___ ft. after ___ hrs. pumping ___ g.p.m.

UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) UNKNOWN Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:

Well Grouted? ☐ Yes ☒ No

Material: ☐ Neat Cement ☐ ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

55 feet S Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

Manufacturer's Name BURKS

Model Number MHV-02 HP 1 hp

Length of Drop Pipe 84 ft. capacity 10 G.P.M.

Type: ☐ Submersible ☐ ___ ☒ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

17 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 1449 Westshore Dr. W.C.

Signed Don Wakefield Date 26 Sept 68

AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

OCT 2 - 1969

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY of WALKER	SW¼ SE¼ NE¼	10	T7N N/S.	R12W W.

Distance And Direction from Road Intersections: WELL IS 900 FT WEST OF BRISTOL ON SANDRA ST ON NORTH SIDE

Street address & City of Well Location

OWNER No.

3 OWNER OF WELL: UNKNOWN
CONTRACTOR - RONALD JOLMAN
Address 7747 OAKLANE
JENISON, MICH

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
yellow sand & stones	20'	20'
Dry dirty sand	40'	60'
Clay gravel	20'	80'
Good water sand	10'	90'

4 WELL DEPTH: (completed) 90 ft. Date of Completion 25 FEB 69

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 3 in. to 85 ft. Depth; Threaded ☒ Welded ☐; ___ in. to ___ ft. Depth
Height: Above/(Below) surface 3 ft.
Weight 7.70 lbs/ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:
Type: JOHNSON Dia.: 2"
(Slot)/Gauze STAINLESS Length 5 FT
Set between 85 ft. and 90 ft.
Fittings: CHECK VALVE

9 STATIC WATER LEVEL
6.5 ft. below land surface

10 PUMPING LEVEL below land surface
UNKNOWN ft. after ___ hrs. pumping ___ g.p.m.
___ ft. after UNKNOWN hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) UNKNOWN Chlorides (Cl) ___
Hardness ___

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:
Well Grouted? ☐ Yes ☒ No
Material: ☐ Neat Cement ☐ ___
Depth: From ___ ft. to ___ ft.

14 SANITARY:
Nearest Source of possible contamination
55 feet NW Direction SEPTIC Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
Manufacturer's Name BURKS
Model Number MHV-02 HP 1
Length of Drop Pipe 23 ft. capacity 10 G.P.M.
Type: ☐ Submersible ☐ ___ ☒ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

CORRECTED BY DRILLER, ITEM #5

CORRECTED BY ___

ADDITION BY ___

17 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.

WAHLFIELD DRILLING C 0395
REGISTERED BUSINESS NAME REGISTRATION NO.
4449 WESTSHIRE N.W.
Address COMSTOCK PARK MICH
Signed Dan Wahlfield Date 19 June 69
AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	NW SE ¼ NE ¼	10	T7N N/S.	R12W E/W.

Distance And Direction from Road Intersections: 1/4 MILE WEST OF BRISTOL AVE ON SANDRA ST NORTH SIDE

OWNER No. 95

Street address & City of Well Location: 1058 VAN BUREN N.W. GRAND RAPIDS, MICH

3 OWNER OF WELL: DICK GERSCH

Address: 1058 VAN BUREN N.W. GRAND RAPIDS, MICH

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Dry yellow sand	60'	60'
Dry & sand mix	33'	93'
Wet good water sand	5'	98'

4 WELL DEPTH: (completed) 98 ft. Date of Completion: 16 APRIL 68

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ___

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ___

7 CASING: Diam. 4 in. to 93 ft. Depth; Threaded [X] Welded [ ]; ___ in. to ___ ft. Depth

Height: Above/Below surface 1' ft.; Weight 11 lbs/ft.; Drive Shoe? Yes [X] No [ ]

8 SCREEN:

Type: STAINLESS Dia.: 4'

Slot/~~Gauge~~: STEEL Length: 5'

Set between 93 ft. and 98 ft.

Fittings: 4" LEAD PACKER

9 STATIC WATER LEVEL 75 ft. below land surface

10 PUMPING LEVEL below land surface

___ ft. after ___ hrs. pumping ___ g.p.m.

___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 GROUTING:

Well Grouted? [ ] Yes [ ] No

Material: [ ] Neat Cement [ ] ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

60 feet E Direction SEPTIC Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP:

Manufacturer's Name: RED JACKET

Model Number: S100NI HP: 1

Length of Drop Pipe 84 ft. capacity 18 G.P.M.

Type: [X] Submersible [ ] ___ [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

*CORRECTED BY:

**ADDITION BY: [redacted]

17 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.

WAHLFIELD DRILLING CO 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4449 WESTSHIRE DR NW

Address: COMSTOCK PARK, MICH

Signed: Wm Wahlfield Date: 24 April 68

AUTHORIZED REPRESENTATIVE

D67D 100M 5-66 JUN 27 1968

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
Kent	Walker	¼ SE ¼ SE ¼	10	7 N	12 W

Distance And Direction from Road Intersections: 240' South of CL of Stehouwer Street

OWNER No.

Street address & City of Well Location: Same

3 OWNER OF WELL: Bristal Equipment Company

Address: 1700 Stehouwer St. n.w. Grand Rapids, Michigan

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Dirty Sand	34	34
Gray clay & gravel	31	65
Sandy clay	3	68
Medium sand	30	98

4 WELL DEPTH: (completed) 98' ft. Date of Completion 10-4-68

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ___

6 USE: [ ] Domestic [ ] Public Supply [X] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ___

7 CASING: Diam. 4 in. to 98 ft. Depth; Threaded [X] Welded [ ]; ___ in. to ___ ft. Depth

Height: Above/Below surface 12" ft.; Weight 11 lbs/ft.; Drive Shoe? Yes [X] No [ ]

8 SCREEN: Type: Johnson Dia.: 4"

Slot/Gauge 12 Length 5'

Set between 93 ft. and 98 ft.

Fittings: Screwed

9 STATIC WATER LEVEL +5 ft. below/above land surface above

10 PUMPING LEVEL below land surface

50 ft. after 2 hrs. pumping 75 g.p.m.

___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 GROUTING:

Well Grouted? [ ] Yes [X] No

Material: [ ] Neat Cement [ ] ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

80 feet E. Direction septic Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP:

Manufacturer's Name ___

Model Number ___ HP ___

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

Type: [ ] Submersible [ ] ___ [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

*CORRECTED BY:

**ADDITION BY:

17 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.

C.S. Reymer Company (REGISTERED BUSINESS NAME) 0384 (REGISTRATION NO.)

Address 3314 Three Mile Road, N.W. G.R.

Signed ___ (AUTHORIZED REPRESENTATIVE) Date 11-29-68

D67D 100M 6-66

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

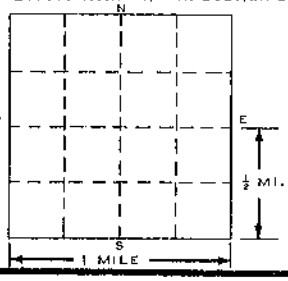
MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
City of Walker	Kent	NE ¼ SE ¼	10	7 N/S.	12 W.

Distance And Direction from Road Intersections: 3/4 mile S 3 Mile Rd. NW
50' E Montcalair
2324 Montcalair N.W.
Street address & City of Well Location

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL: Hank Edema, Builder
Address 4818 32nd Ave.
Hudsonville

4 WELL DEPTH: (completed) 134 ft. Date of Completion 2-19-70

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [X] Welded [ ] Diam. 3 in. to 129 ft. Depth; ____ in. to ____ ft. Depth
Height: Above/Below Surface 1/ ft. Weight 7.7 lbs./ft. Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
sand	22	22
clay	11	33
med fine sand	57	90
dirty sand	12	102
clay & gravel	21	123
med fine sand	11	134

USE A 2ND SHEET IF NEEDED

8 SCREEN: Type: gauze Dia.: 2"
Slot/Gauze 10/60 Length: 5'
Set between 129 ft. and 134 ft.
Fittings: check valve

9 STATIC WATER LEVEL 77 ft. below land surface

10 PUMPING LEVEL below land surface
77 ft. after 1½ hrs. pumping 85 g.p.m.
____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
Hardness ____ Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adaptor [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No [ ] Neat Cement [ ] Bentonite [ ] ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
100 feet E Direction septic Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed
Manufacturer's Name Burke
Model Number 10MHV3 -07 P 1 Volts 220
Length of Drop Pipe 105 ft. capacity 510 G.P.M.
Type: [ ] Submersible [X] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.
ADDED INFO BY DRILLER. ITEM No. 8
*CORRECTED BY:
**ADDITION BY:

17 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.
Stovall Well Drilling Co. 0761
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 21324 mile Rd. No
Signed Howard Stovall AUTHORIZED REPRESENTATIVE Date 3-14-70

D67d 100M (Rev. 12-68)

APR 6 1970 GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No. JUL 06 1978

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

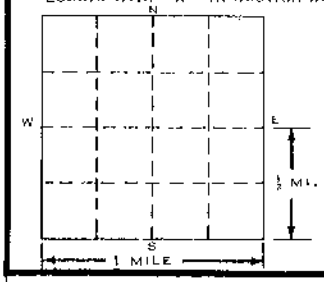
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	7 N/S.	12 E/W.

Distance And Direction from Road Intersections: ON COUNTY MAP

Street address & City of Well Location: same as Owner

Locate with "X" in section below



Sketch Map: R.R. PANNELL X Bristol

3 OWNER OF WELL:
Address: RAY L. WOOD, 2151 Bristol, NW, Grand Rapids, Mi. 49504

4 WELL DEPTH: (completed) 39 ft. Date of Completion: MAY 5, 1978

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [X] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [X] Welded [ ] Height: Above/Below Surface xxxx 1 ft.

4 in. to 39 ft. Depth | Weight 11.0 lbs./ft.

____ in. to ____ ft. Depth | Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand, Dirty	20	20
" , Light Brown, Aquifer	19 plus	39

8 SCREEN:
Type Super Stainless Dia.: 3 3/4"
Slot xxxx #10 Length 3'
Set between 36 ft. and 39 ft.
Fittings: Johnson K-packer Top, Plug Bottom 8" Extension

9 STATIC WATER LEVEL
22 ft. below land surface

10 PUMPING LEVEL below land surface
22 ft. after 1 hrs. pumping 60 g.p.m.
____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
Hardness NO FIELD TEST Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adaptor [XX] 12" Above Grade

13 Well Grouted? [ ] Yes [XX] No
[ ] Neat Cement [ ] Bentonite [ ] ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
60 feet West Direction Septic Tank Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed
Manufacturer's Name Decatur Pump Company
Model Number 5GN8B HP 3/4 Volts 220
Length of Drop Pipe 26 ft. capacity 18 G.P.M.
Type: [XX] Submersible [ ] Jet [ ] Reciprocating

ADDED (NO) BY DRILLER, ITEM NO.
CORRECTED BY
ADDITION BY
ELEVATION
DEPTH TO ROCK

RECEIVED
MAY 8 1978
KENT COUNTY HEALTH DEPT

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.
"Lemco" Sanitary Seal above Pump. Lifting Cable attached to Pump. 1" Golden Jet Plastic Drop Pipe.

17 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.

M. H. O'NEILL & SON — REGISTERED BUSINESS NAME — 0164 — REGISTRATION NO.

Address 1634 Four Mile, NE, Grand Rapids, Mi. 49505

Signed M. H. O'Neill — AUTHORIZED REPRESENTATIVE — Date May 6, 1978

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

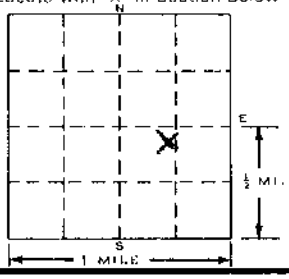
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	1/4 1/4 1/4	10	T7N N/S	R12W E/W

Distance And Direction From Road Intersection

1784 Harding NW.

Street Address & City of Well Location

Locate with "X" in Section Below — Sketch Map:



3 OWNER OF WELL: Doug Haisman

Address 1695 Kloet NW

Grand Rapids, Mich

Address Same As Well Location? ☐ Yes ☐ No

4 WELL DEPTH: 135 FT. — Date Completed MO. 8 DAY 1 YEAR 1990 — ☒ 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

4 in. to 135 ft. depth

_____ in. to _____ ft. depth

Grouted Drill Hole Diameter

_____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Height Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe ☒ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Medium Sand	30'	30'
Gray Sand (Wet)	75'	105'
Fine Gray Sand	25'	130'
Coarse Water Sand	5'	135'

8 SCREEN: ☐ Not Installed

Type Johnson Diameter 4"

Slot/Gauze .2 Length 5'

Set between 130 ft. and 135 ft.

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

☐ Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL:

60 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

_____ ft. after UNKNOWN hrs. pumping at _____ 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 SEPTIC Distance 100 ft. Direction NW

Well disinfected upon completion? ☒ Yes ☐ No

Was old well plugged? ☒ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name BURK

Model number 2SN12E HP 3/4 Volts 220

Length of Drop Pipe 21 ft. capacity 10 G.P.M.

TYPE: ☒ Submersible ☐ Jet _____

PRESSURE TANK

Manufacturer's name WELL X TROL

Model number WX 203 Capacity _____ Gallons

USE A 2ND SHEET IF NEEDED

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

RECEIVED

APR 0 1 1990

KENT COUNTY HEALTH DEPARTMENT

17. Rig Operator's Name:

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.

Wonderful Drilling Co. 0355

REGISTERED BUSINESS NAME — REGISTRATION NO.

4747 Southeast Ave. SW

Address Grand Rapids Mich 49548

Signed Kim Wonderful Date 3-27-90

AUTHORIZED REPRESENTATIVE

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

DEC 2 9 1978

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

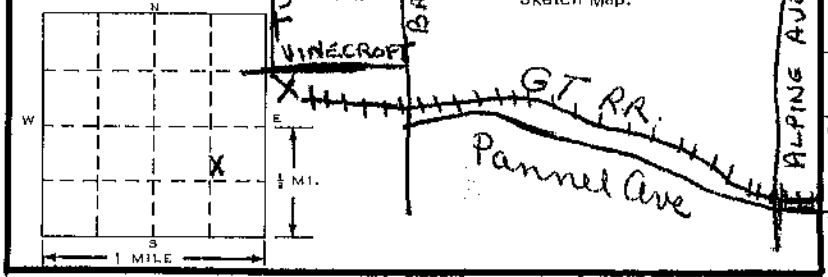
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	NW part City of Walker	SW¼ NE¼ SE¼	10	7 N	12 W.

Distance And Direction from Road Intersections

Street address & City of Well Location

Locate with "X" in section below



3 OWNER OF WELL:

West Hill Iron Works

Address 1750 Vinecroft NW

Walker, MI

4 WELL DEPTH: (completed) Date of Completion

71 ft. 10-14-78

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [ ] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [X] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [ ] Welded [X] Diam.

4 in. to 71 ft. Depth

____ in. to ____ ft. Depth

Height: Above/Below Surface 1 ft.

Weight 10.79 lbs./ft.

Drive Shoe? Yes [X] No [ ]

8 SCREEN:

Type: plastic Dia.: 3"

Slot or Gauze 10 Length 9'8"

Set between 61 ft. and 71 ft.

Fittings: Neoprene Rubber

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Gravel and Stones	28	28
Sand	43	71

USE A 2ND SHEET IF NEEDED

9 STATIC WATER LEVEL

51 ft. below land surface

10 PUMPING LEVEL below land surface

____ ft. after ___ hrs. pumping ____ g.p.m.

____ ft. after ___ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ____ Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No

[ ] Neat Cement [ ] Bentonite [ ] ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

____ feet ____ Direction ____ Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed

Manufacturer's Name Fairbanks Morse

Model Number ____ HP ½ Volts 230

Length of Drop Pipe 58 ft. capacity ____ G.P.M.

Type: [X] Submersible [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO ROCK

17 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.

Geiger Water Well Constr. 0700

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 5043 Whites Bridge Rd. Belding

Signed Karl Geiger Jr. Date 12-19-78

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

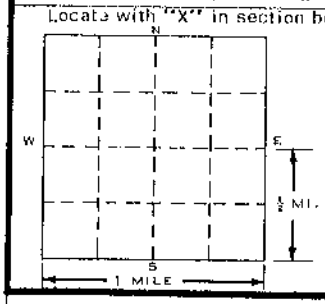
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	S.E SE¼ SE¼	10	7N N/S.	12W E/W.

Distance And Direction from Road Intersections: 189' WEST OF Bristol Rd.,

Street address & City of Well Location: Sthouwer Frozen Foods, Grand Rapids, Michigan.

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL: Sthouwer Frozen Foods,

Address 2055 Bristol Rd. N.W. Grand Rapids, Mich.

4 WELL DEPTH: (completed) 83 ft. Date of Completion 12-1-68

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____

6 USE: ☐ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☒ Commercial ☐ Test Well ☐ _____

7 CASING: Threaded ☒ Welded ☐ Diam. 4" 4 in. to 83 ft. Depth; ____ in. to ____ ft. Depth

Height: Above/~~Below~~ Surface 1 ft. Weight 11 lbs./ft. Drive Shoe? Yes ☒ No ☐

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Fill	4	4
muck	2	6
gravel & sAND	14	20
fine dirty dand	38	58
clay & sand	11	69
sand & gravel	14	83

ADDED PER PHONE BY DRILLER, T.M.M.

*CORRECTED BY:

**ADDITION BY:

USE A 2ND SHEET IF NEEDED

8 SCREEN: Type: Johnson S.S. Dia.: 4" Slot/Gauze 10 Length 5' Set between 78 ft. and 83 ft. Fittings:

9 STATIC WATER LEVEL 3' ft. below land surface flowed

10 PUMPING LEVEL below land surface 15 ft. after 2 hrs. pumping 100 g.p.m. ____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____ Other _____

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☒ 12" Above Grade

13 Well Grouted? ☐ Yes ☐ No ☐ Neat Cement ☐ Bentonite ☐ _____ Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination 100 feet EAST Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP: ☐ Not installed Manufacturer's Name Red Jacket Model Number 150 N 1 HP 1½ Volts 230 Length of Drop Pipe 45 ft. capacity 20 G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

Well flowed 20 g.p.m.

17 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.

C.S. Raymer Co., REGISTERED BUSINESS NAME — 0384 REGISTRATION NO.

Address 3311 3 mile Rd. N.W.

Signed _____ AUTHORIZED REPRESENTATIVE Date 12-4-69

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

(1)

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	WALKER	SE¼-SE¼-SE¼	10	7 N	12 W.

Distance And Direction from Road Intersections

OWNER No.

200' South of Stehouwer ST.

Street address & City of Well Location

3 OWNER OF WELL:

Address: Lanco Corp.

1766 Stehouwer, N.W., Grand Rapids

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Junk	10	10
Silt Sand	23	33
Hard Clay and some Sand	33	66
Dirty fine sand, clays	10	76
Hard Pan and Clay	15	91
Sand and fine gravel, mix	26	117

4 WELL DEPTH: (completed) 117 ft. Date of Completion: Aug. 20, 1969

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ]

6 USE: [ ] Domestic [ ] Public Supply [X] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ]

7 CASING: Diam. 4 in. to 107 ft. Depth; Threaded [X] Welded [ ]; Height: Above/~~Below~~ surface 1 ft.; Weight 11 lbs/ft.; ___ in. to ___ ft. Depth; Drive Shoe? Yes [X] No [ ]

8 SCREEN: Type: Stainless St. Dia.: 4"

Slot/~~Gauge~~ 7 & 10 Length 5' of each.

Set between 107 ft. and 117 ft.

Fittings: Screwed

9 STATIC WATER LEVEL ~~flow~~ ft. below land surface

10 PUMPING LEVEL below land surface

~~Continuous~~ 5 hrs. pumping ~~flow~~ 8 g.p.m.

10 ft. after 5 hrs. pumping 75 g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: [ ] In Approved Pit [ ] Pitless Adapter [X] 12" Above Grade

13 GROUTING:

Well Grouted? [ ] Yes [X] No

Material: [ ] Neat Cement [ ] ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

80 feet N Direction Septic Type

Well disinfected upon completion [X] Yes [ ] No

15 PUMP:

Manufacturer's Name None

Model Number ___ HP ___

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

Type: [ ] Submersible [ ] ___ [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

*CORRECTED BY:

**ADDITION BY:

17 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.

Ottawa DrillingCo. — REGISTERED BUSINESS NAME

0249 — REGISTRATION NO.

Address 1098 Johnson St., Marne, Mich.

Signed ___ — AUTHORIZED REPRESENTATIVE

Date 11-18-69

D67D 100M 6-66

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

JUN 04 1971

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

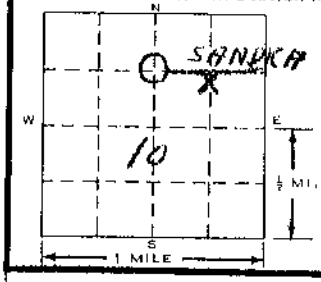
County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T7N/S.	R12W.

Distance And Direction from Road Intersections: 1/4 MILE WEST OF BRISTOL ON SOUTH SIDE OF SANDRA

Street address & City of Well Location: 1357 SANDRA

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL

GLENN BOLLER

Address: 1357 LAMONT N.W.

GRAND RAPIDS, MICH

4 WELL DEPTH: (completed) Date of Completion

99 ft. 13 APRIL 71

5

☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug

☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE:

☒ Domestic ☐ Public Supply ☐ Industry

☐ Irrigation ☐ Air Conditioning ☐ Commercial

☐ Test Well ☐ ____

7 CASING:

Threaded ☒ Welded ☐ Diam.

4 in. to 94 ft. Depth

____ in. to ____ ft. Depth

Height: Above/Below Surface 3 ft.

Weight 11.00 lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: JOHNSON Dia.: 4"

Slot Gauge #10 Length 5'

Set between 94 ft. and 99 ft.

Fittings: LEAD PACKER

9 STATIC WATER LEVEL

75 ft. below land surface

10 PUMPING LEVEL below land surface

____ ft. after ____ hrs. pumping UNKNOWN g.p.m.

____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) UNKNOWN Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION:

☐ In Approved Pit

☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☐ Yes ☒ No

☐ Neat Cement ☐ Bentonite ☐ ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

50 feet N Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name REP JACKET

Model Number 5100 VL HP 1 Volts 220

Length of Drop Pipe 83 ft. capacity 15 G.P.M.

Type: ☒ Submersible ☐ Jet ☐ Reciprocating

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
yellow sand	50'	50'
sand & clay mix	30'	80'
Fine water sand	14'	94'
Course water sand	5'	99'

USE A 2ND SHEET IF NEEDED

Very good well

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM #11.

ABANDONED BY:

ADDITION BY:

17 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4444 Westbrook NW

Address

Comstock Park Mich

Signed Don Wakefield Date 14 April 71

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

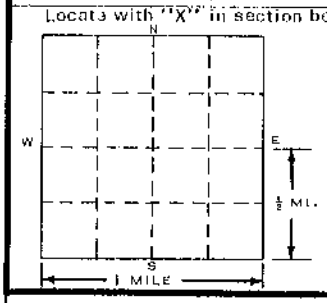
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	SW¼SE¼SE¼	10	7 N. N/S.	12 W E/W.

Distance And Direction from Road Intersections: 200 ft. S. of Stehouwer Rd. N.W.

Street address & City of Well Location: 1756 Stehouwer Rd.N.W.

Locate with "X" in section below — Sketch Map:



3 OWNER OF WELL: Bristol Foundry
Address 1756 Sthouwer Rd. N.W.

4 WELL DEPTH: (completed) 98 ft. Date of Completion 10-4-68

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ]

6 USE: [ ] Domestic [ ] Public Supply [X] Industry [ ] Irrigation [ ] Air Conditioning [ ] Commercial [ ] Test Well [ ]

7 CASING: Threaded [X] Welded [ ]
Diam. 4 in. to 98 ft. Depth
___ in. to ___ ft. Depth
Height: Above ~~Below~~ Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Dirty sand	34	34
grey clay & gravel	31	65
sandy clay	3	68
Med. sand	30	98

USE A 2ND SHEET IF NEEDED

8 SCREEN:
Type: Johnson S.S. Dia.: 4"
Slot/Gauze 12 Length 5'
Set between 93 ft. and 98 ft.
Fittings:

9 STATIC WATER LEVEL
flow ft. below land surface

10 PUMPING LEVEL below land surface
12 ft. after 2 hrs. pumping 85 g.p.m.
___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ___ Chlorides (Cl) ___
Hardness ___ Other ___

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No
[ ] Neat Cement [ ] Bentonite [ ] ___
Depth: From ___ ft. to ___ ft.

14 Nearest Source of possible contamination
115 feet EAST Direction SEPTIC Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed
Manufacturer's Name Red Jacket
Model Number 500N1 HP 5 Volts 440
Length of Drop Pipe 50 ft. capacity 50 G.P.M.
Type: [X] Submersible [ ] Jet [ ] Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO

*CORRECTED BY:

**ADDITION BY:

17 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.
C.S. Raymer — REGISTERED BUSINESS NAME
0384 — REGISTRATION NO.
Address 3311 3 mile Rd. N.W.
Signed ___ AUTHORIZED REPRESENTATIVE Date 12-4-69

D67d 100M (Rev. 12-68)

FEB - 6 1970

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	SE¼SE¼NE¼	10	T7N N/S.	R12W E/W.

Distance And Direction from Road Intersections: 1/4 MILE WEST OF BRISTOL AVE ON SANDRA ON SOUTH SIDE

OWNER No. 201

Street address & City of Well Location: 1938 SANDRA NW.

3 OWNER OF WELL: Garrit Pahler

Address: 5804 Lawndale Hudsonville, Mich (BLDR)

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
yellow sand	45'	45'
Clay sand mix	20'	65'
Fine water sand	13'	78'
Clean course water sand	5'	83'
Well drilled 24 Oct 69		
Pump completed 23 Dec 69		
Last of 3 wells on Sandra		

4 WELL DEPTH: (completed) 83 ft. Date of Completion 24 Oct 69

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 3 in. to 78 ft. Depth; Threaded ☒ Welded ☐; ___ in. to ___ ft. Depth

Height: Above/Below surface 3 ft.; Weight ___ lbs/ft.; Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Johnson Dia.: 3"

Slot/Gauze SLOT Length 5'

Set between 78 ft. and 83 ft.

Fittings: #472 3" check

9 STATIC WATER LEVEL 65 ft. below land surface

10 PUMPING LEVEL below land surface

Unknown ft. after pumping ___ g.p.m.

___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:

Well Grouted? ☐ Yes ☒ No

Material: ☐ Neat Cement ☐ ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

55 feet S Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

Manufacturer's Name BURK

Model Number 10 MHV-02 HP 1

Length of Drop Pipe 70 ft. capacity 10 G.P.M.

Type: ☐ Submersible ☐ ___ ☒ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

17 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.

Wahlfield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 1449 West Shore Dr. N.W. G.R.

Signed Roy Wahlfield Date 23 Dec 69

AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

FEB - 6 1970

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	SW¼ SE¼ NE¼	10	T7N N/S.	R12W W.

Distance And Direction from Road Intersections: ¼ MILE WEST OF BRISTOL AVE ON SOUTH SIDE OF SANDRA ST

OWNER No. 455

Street address & City of Well Location

3 OWNER OF WELL: GERRIT POHLER

Address: 5804 LAWNDALE HUDSONVILLE, MICH

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
yellow sand clay	65'	65'
clay gravel	30'	95'
Dirty water sand	8'	103'
Good course water sand	5'	108'

4 WELL DEPTH: (completed) 108 ft. Date of Completion 26 MAR 68

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 3 in. to 103 ft. Depth; ___ in. to ___ ft. Depth; Threaded ☒ Welded ☐; Height: Above/Below surface 1 FT ft.; Weight 7.70 lbs/ft.; Drive Shoe? Yes ☒ No ☐

8 SCREEN:
Type: JOHNSON Dia.: 2"
Slot/Gauze: 7 SLOT Length: 5 FT
Set between 103 ft. and 108 ft.
Fittings: 3" CHECK VALVE

9 STATIC WATER LEVEL
75 ft. below land surface

10 PUMPING LEVEL below land surface
___ ft. after ___ hrs. pumping ___ g.p.m.
UNKNOWN
___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ___ Chlorides (Cl) ___
Hardness UNKNOWN

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:
Well Grouted? ☐ Yes ☒ No
Material: ☐ Neat Cement ☐ ___
Depth: From ___ ft. to ___ ft.

14 SANITARY:
Nearest Source of possible contamination
55 feet SOUTH Direction SEPTIC Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
Manufacturer's Name BURK
Model Number MHV-03 HP 1
Length of Drop Pipe 84 ft. capacity 10 G.P.M.
Type: ☐ Submersible ☐ ___ ☒ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED REC'D BY DRILLER, ITEM NO.

CORRECTED BY:

ADDITIONS BY:

17 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.

Wakefield Drilling Co. 0395
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 4449 Westshore Mus. Cf

Signed Don Wakefield Date 15 Sept 68
AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

OCT 2 - 1968

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

County	Twp.	Fraction	Section No.	Town	Range
KENT	CITY OF WALKER	NW ¼ SE ¼ SE ¼	10	T7N N/S.	R12W E/W.

Distance And Direction from Road Intersections: 600 FT NORTH OF BRISTOL ON KLOET N.W.

OWNER No. 15

Street address & City of Well Location: 1707 KLOET N.W. GR.

3 OWNER OF WELL: STRONI CONSTRUCTION Co

Address: 1707 KLOET N.W. GR.

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
DRY YELLOW SAND	30'	
RED CLAY	10'	40'
WATER SAND	13'	53'

4 WELL DEPTH: (completed) 53 ft. **Date of Completion** 29 JAN 67

5 ☒ Cable tool ☐ Rotary ☒ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ___

6 USE: ☐ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☒ Commercial ☐ Test Well ☐ ___

7 CASING: Diam. 3 in. to 48 ft. Depth; Threaded ☒ Welded ☐

___ in. to ___ ft. Depth

Height: Above/Below surface ___ ft.

Weight ___ lbs/ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: FLUSH POINT Dia.: 3"

Slot/Gauze: 80 BB Length: 5 FT

Set between 48 ft. and 53 ft.

Fittings: 3" CHECK VALVE

9 STATIC WATER LEVEL 40 ft. below land surface

10 PUMPING LEVEL below land surface

___ ft. after ___ hrs. pumping ___ g.p.m.

___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) ___ Chlorides (Cl) ___

Hardness ___

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:

Well Grouted? ☐ Yes ☐ No

Material: ☐ Neat Cement ☐ ___

Depth: From ___ ft. to ___ ft.

14 SANITARY:

Nearest Source of possible contamination

100 feet NW Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

Manufacturer's Name REDA

Model Number 320X405OX4 HP 1½

Length of Drop Pipe 40 ft. capacity 7 G.P.M.

Type: ☒ Submersible ☐ ___ ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM No.

CORRECTED BY:

ADDITION BY: RRS 3/7/67

17 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.

Carl J Wahlfeld & Sons 0395

REGISTERED BUSINESS NAME — REGISTRATION NO.

Address 4656 Alpine Ave N.E.

Signed Carl Wahlfeld Date 10 JAN 67

AUTHORIZED REPRESENTATIVE

D67D 100M 6-66

MAR 2 1967

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY DIV. FEB 25 1983

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PART 127 ACT 368, P.A. 1978

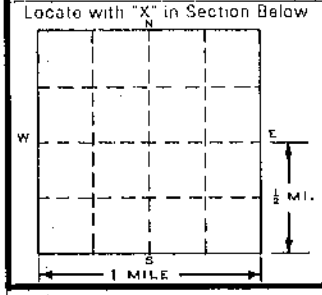
PERMIT NUMBER

1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	City of Walker	¼ ¼ ¼	10	N/S	E/W

Distance And Direction From Road Intersection
800' W Bristol
60' N Kloet
1707 Kloet N.W.
Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL
Sandee Auto Sales
Address 1707 Kloet NW
G.R.
Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH: (completed) 51 ft
Date of Completion 12-18-82

5 [X] 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 [X] comm.

7 CASING Diameter [X] Steel [X] Threaded [ ] Plastic [ ] Welded
4 in. to 46 ft. depth
___ in. to ___ ft. depth
Grouted Drill Hole Diameter
___ in. to ___ ft. depth
___ in. to ___ ft. depth
Height: Above/Below Surface 1/ ft.
Weight 11 lbs./ft.
Drive Shoe [X] Yes [ ] No

8 SCREEN [ ] Not Installed
Type slotted Diameter 4"
Slot/Gauze 7/80 Length 5'
Set between 46 ft. and 51 ft.
FITTINGS [ ] K-Packer [X] Lead Packer [ ] Bremer Check
[ ] Blank above screen ___ ft. Other ___

9 STATIC WATER LEVEL
27 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface
___ ft. after 1½ hrs. pumping at 35 G.P.M.
___ ft. after ___ hrs. pumping at ___ G.P.M.

11 WELL HEAD COMPLETION: [X] Pitless adapter [ ] 12" above grade [ ] Basement offset [ ] Approved pit

12 WELL GROUTED? [X] No [ ] Yes From ___ to ___ ft.
[ ] Neat cement [ ] Bentonite [ ] Other ___
No. of bags of cement ___ Additives ___

13 Nearest source of possible contamination
Type ___ Distance ___ ft. Direction ___
Well disinfected upon completion? [ ] Yes [ ] No

14 PUMP [ ] Not Installed [ ] Pump Installation Only
Manufacturer's name Burks
Model number ___ HP ½ Volts 115
Length of Drop Pipe 34 ft. capacity ___ G.P.M.
TYPE: [X] Submersible [ ] Jet ___
PRESSURE TANK:
Manufacturer's name X trol
Model number WX 203 Capacity ___ Gallons

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
sand & gravel	8	8
dirty sand	30	38
fine clean sand	13	51

RECEIVED
JAN 3 1983
KENT COUNTY HEALTH DEPT.

USE A 2ND SHEET IF NEEDED

15. Remarks, elevation, source of data, etc.
ADDED INFO BY DRILLER, ITEM NO.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

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.

Stovall Weldl Drilling Co. 41-0761
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 2132 Four Mile Rd. NE
Signed Howard Stovall Date 12/30/82
AUTHORIZED REPRESENTATIVE
297365

D87d (Rev. 10-80)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

FEB 2 5 1980

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

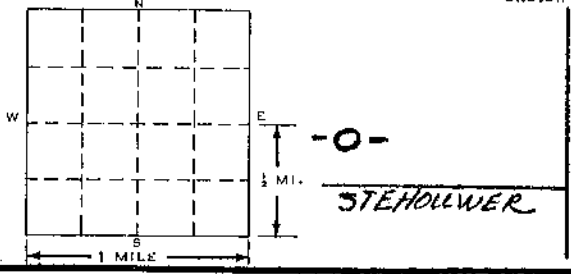
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	¼ ¼ ¼	10	7 N/S.	12 E/W.

Distance And Direction from Road Intersections: 100' N. of Stehouwer - 1/4 Mile W. of Bristol

Street address & City of Well Location: 1766 Stehouwer, Grand Rapids

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL:

Lanco Corporation

Address: 1766 Stehouwer, N.W., Grand Rapids, Michigan

4 WELL DEPTH: (completed) Date of Completion

101 ft. May 22, 1979

5

[X] Cable tool [ ] Rotary [ ] Driven [ ] Dug
[ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE:

[ ] Domestic [ ] Public Supply [ ] Industry
[ ] Irrigation [ ] Air Conditioning [X] Commercial
[ ] Test Well [ ] ____

7 CASING:

Threaded [X] Welded [ ]

4 in. to 96 ft. Depth
___ in. to ___ ft. Depth

Height: Above/~~Below~~ Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe? Yes [X] No [ ]

8 SCREEN:

Type Stainless Steel Dia.: 4"
Slot/~~Gauge~~ 7 Length 5'
Set between 96 ft. and 101 ft.
Fittings: K Packer & Plug Bottom

9 STATIC WATER LEVEL

3 ft. above/~~below~~ land surface

10 PUMPING LEVEL below land surface

____ ft. after 4 hrs. pumping 60 g.p.m.
____ ft. after ___ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) 1.7 Chlorides (Cl) ____
Hardness 19 grs. Other ____

12 WELL HEAD COMPLETION:

[ ] In Approved Pit
[X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted?

[ ] Yes [X] No
[ ] Neat Cement [ ] Bentonite [ ] ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

100 foot FAST Direction SEPTIC Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP:

[ ] Not installed
Manufacturer's Name Red Jacket
Model Number S50N1-9BC HP ½ Volts 230
Length of Drop Pipe 45 ft. capacity 12 G.P.M.
Type: [X] Submersible
[ ] Jet [ ] Reciprocating

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Top Soil	2	2
Gravel & Rocks	4	6
Sand	19	25
Brown Clay	5	30
Putty Sand	15	45
Brown Clay	5	50
Sand & Clay	36	86
Putty Sand	3	89
Brown Clay	1	90
Fine Sand	11	101

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NU.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

RECEIVED
FEB 12 1980
KENT COUNTY
HEALTH DEPT.

17 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.

RAYMER CO., INC. 0384
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 3311 Three Mile Rd., N.W., Grand Rapids, MI.

Signed D.F. Newhaker Date 7-20-79
AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

JAN 31 1980

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

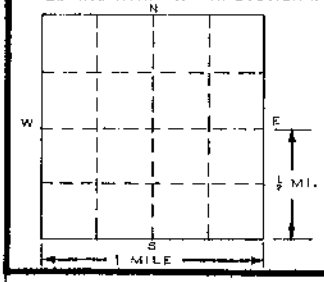
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker City	¼ ¼ ¼	10	7 (N) S.	12 (E) W

Distance And Direction from Road Intersections: 185' N. of Waldorf 1012'-W of Bristol

Street address & City of Well Location: 1775 Waldorf NW. Grand Rapids.

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL: Bob Roberts-

Address: 1775 Waldorf N.W. Grand Rapids Mi.

4 WELL DEPTH: (completed) 133 ft. **Date of Completion** Oct 23 1979.

5 (X) Cable tool ( ) Rotary ( ) Driven ( ) Dug ( ) Hollow rod ( ) Jetted ( ) Bored ( ) ____

6 USE: (X) Domestic ( ) Public Supply ( ) Industry ( ) Irrigation ( ) Air Conditioning ( ) Commercial ( ) Test Well ( ) ____

7 CASING: Threaded (X) Welded ( ) Diam. 4 in. to 128 ft. Depth; ____ in. to ____ ft. Depth. Height: Above/Below Surface 1 0. Weight 12.02 (lbs.)/ft. Drive Shoe? Yes (X) No ( )

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
SAND	90	90
Fine SAND.	18	108
dirty gravel	5	113
clay	3	116
Fine gravel	17	133

8 SCREEN: Johnson SS. Type: Wire Wound Dia.: 3" Slot/Gauze 20 Length 5' Set between 128 ft. and 133 ft. Fittings: Lead Packer. 12"-3" Blank. 3" plug Bottom.

9 STATIC WATER LEVEL 69 ft. below land surface

10 PUMPING LEVEL below land surface 69 ft. after 1 hrs. pumping 60 g.p.m. ____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million: Iron (Fe) ____ Chlorides (Cl) ____ Not Available Hardness ____ Other ____

12 WELL HEAD COMPLETION: ( ) In Approved Pit (X) Pitless Adaptor ( ) 12" Above Grade

13 Well Grouted? ( ) Yes (X) No ( ) Neat Cement ( ) Bentonite ( ) ____ Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination 50 feet E Direction Septic tank Type. Well disinfected upon completion (X) Yes ( ) No

15 PUMP: ( ) Not installed Manufacturer's Name Decatur Pump Co. Model Number SN12B HP 3/4 Volts 230 Length of Drop Pipe 84 ft. capacity 13 G.P.M. Type: (X) Submersible ( ) Jet ( ) Reciprocating

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY SP

**ADDITION BY

ELEVATION

DEPTH TO ROCK

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

17 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.

Zoke Well Drilling — REGISTERED BUSINESS NAME — 0399. REGISTRATION NO.

Address 0-525 Lake Michigan Dr. GR.

Signed Joseph G. Zoke — AUTHORIZED REPRESENTATIVE — Date Jan. 7, 1980

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

10-13

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER WELL AND PUMP RECORD

PERMIT NO:

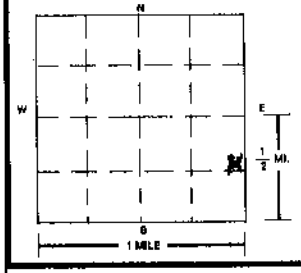
1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
KENT	CITY OF WALKER	SE 1/4 NE 1/4 SE 1/4	10	7N	12W

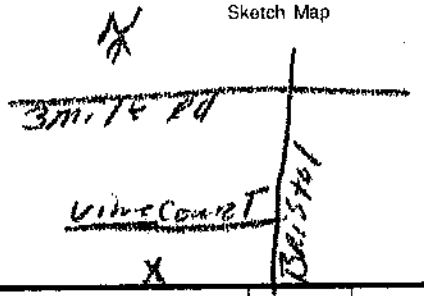
Distance and Direction from Road Intersection 3/4 mile South of 3 mile rd & 900 ft South of Vine Court

Street Address & City of Well Location CAR-DOCTOR

Locate with 'x' in Section Below



Sketch Map



3. OWNER OF WELL MIKE LAND HERE
Address 1650 Vine Crt SE WALKER M.W.

Address Same as Well Location [X] Yes [ ] No

4. WELL DEPTH: 90 ft. Date Completed 9/17/97 [ ] New Well [X] Replacement Well

5. [ ] Cable Tool [X] 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 [X] GARAGE

7. CASING: [ ] Steel [ ] Threaded [X] Plastic [ ] Welded [ ] Other
Diameter: 5 in. to 80 ft. depth
____ in. to ____ ft. depth
BORE HOLE:
Diameter: ____ in. to ____ ft. depth
____ in. to ____ ft. depth
Height: Above/Below Surface: 1 ft
Weight: ____ lbs./ft.
[ ] Drive Shoe [ ] Shale Packer

2. FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
SAND DRY	40	40
SAND FINE WATER	40	80
SAND COARSE WATER	10	90

RECEIVED OCT 27 97 GROUND WATER SUPPLY SECT. DEPARTMENT OF NATURAL RESOURCES

OCT 10 1997

USE A 2ND SHEET IF NEEDED

8. SCREEN: [ ] Not Installed [ ] Gravel-Packed
Type Plastic Diameter 5"
Slot/Gauze 30 Length: 10'
Set Between 80 ft. and 90 ft.
FITTINGS: [ ] K-Packer [ ] Bremer Check
[ ] Blank Above Screen ____ ft. Other ____

9. STATIC WATER LEVEL:
40 ft. Below Land Surface [ ] Flowing

10. PUMPING LEVEL: Below Land Surface
40 ft. After 1 hrs. Pumping at 25 G.P.M.
[ ] Plunger [ ] Bailer [X] Air [ ] Test Pump

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

12. WELL GROUTED? [ ] No [X] Yes From Surf to 80 ft.
[ ] Neat Cement [X] Bentonite [ ] Other ____
No. of Bags 5 Additives ____

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

14. PUMP: [ ] Not Installed [ ] Pump Installation Only
Manufacturer's Name Gould's
Model Number GSCS2 HP 1/2 Volts 115
Length of Drop Pipe 80 ft. Capacity 10 G.P.M.
TYPE: [X] Submersible [ ] Jet [ ] Other ____
PRESSURE TANK:
Manufacturer's Name well-mate
Model Number WM6VG Capacity 6 Gallons 20

15. ABANDONED WELL PLUGGED? [X] Yes [ ] No
Casing Diameter 2 in. Depth to Known ft.
PLUGGING MATERIAL:
[ ] Cement/Bentonite Slurry [ ] Neat Cement [ ] Bentonite Slurry [ ] Concrete Grout [X] Bentonite Chips
No. of Bags 2 Casing Removed? [ ] Yes [ ] No

16. REMARKS: (Elevation, Source of Data, etc.)
2 Wells in pit Both plugged

17. DRILLING MACHINE OPERATOR:
[ ] Employee [X] Subcontractor
Name Floyd Wolcott

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.
Dave's Well Drilling (REGISTERED BUSINESS NAME) 61-1904 (REGISTRATION NO.)
Address 15149 Hall Rd. Ravenna MI
Signed ____ (AUTHORIZED REPRESENTATIVE) Date 10-9-97

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.

GEOLOGICAL SURVEY SAMPLE No.

NOV - 6 1975

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

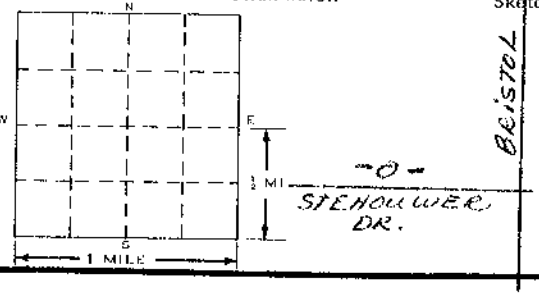
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	7 N/S.	12 E/W.

Distance And Direction from Road Intersections: 30' N. of Stehouwer Dr., 500' W. of Bristol

Street address & City of Well Location: Stehouwer Dr., N.W.,

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL: Betz Foundry

Address: 2029 Bristol, N.W., Grand Rapids, Michigan 49504

4 WELL DEPTH: (completed) 100 ft. Date of Completion: Dec. 12, 1974

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ]

6 USE: [ ] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [X] Commercial [ ] Test Well [ ]

7 CASING: Threaded [X] Welded [ ] Diam. 4 in. to 95 ft. Depth; ___ in. to ___ ft. Depth. Height: Above/Below Surface 1 ft. Weight 11 lbs./ft. Drive Shoe? Yes [X] No [ ]

8 SCREEN: Type: Stainless St. Dia.: 4" Slot/Gauze 10 Length 5' Set between ___ ft. and ___ ft. Fittings: Screwed

9 STATIC WATER LEVEL Flow 10 g.p.m. pipe 2' high ___ ft. below land surface

10 PUMPING LEVEL below land surface ___ ft. after ___ hrs. pumping flow 10 g.p.m.; ___ ft. after ___ hrs. pumping ___ g.p.m.

11 WATER QUALITY in Parts Per Million: Iron (Fe) .06 Chlorides (Cl) ___ Hardness 23 grs. Other ___

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No [ ] Neat Cement [ ] Bentonite [ ] ___ Depth: From ___ ft. to ___ ft.

14 Nearest Source of possible contamination: 100 feet W. Direction Septic Tank Type. Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed. Manufacturer's Name: Red Jacket. Model Number S75N1 HP 3/4 Volts 230. Length of Drop Pipe 63 ft. capacity 20 G.P.M. Type: [X] Submersible [ ] Jet [ ] Reciprocating

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Top Soil	3	3
Sand & Gravel	8	11
Sand	34	45
Brown Clay	8	53
Sandy Clay	4	57
Dirty Sand	8	65
Brown Clay	8	73
Fine Sand	12	85
Med. Sand	15	100

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER ITEM NO.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

17 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: C. S. Reymer Co. REGISTRATION NO.: 0384

Address: 3511 3 Mile Rd., N.W., Grand Rapids, Mich.

Signed: [signature] AUTHORIZED REPRESENTATIVE Date: 3-17-75

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No.

NOV - 6 1975

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

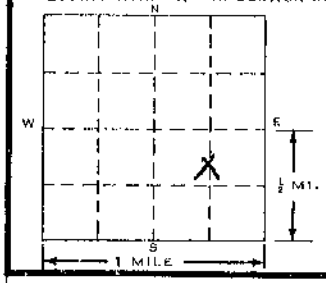
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY of WALKER	¼ ¼ ¼	10	T7N N/S.	R12W

Distance And Direction from Road Intersections: 1/4 MILE WEST OF BRISTOL ON SOUTH SIDE OF VINECROFT

Street address & City of Well Location: 1728

Locate with "X" in section below — Sketch Map:



3 OWNER OF WELL:

ROGER KAUPA

Address 1720 VINECROFT NW

GRAND RAPIDS MICH

4 WELL DEPTH: (completed) Date of Completion

134 ft. 19 SEPT 75

5 ☑ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ ____

7 CASING: Threaded ☒ Welded ☐

4 in. to 129 ft. Depth

____ in. to ____ ft. Depth

Height: Above/Below Surface 3 ft.

Weight 11 lbs./ft.

Drive Shoe? Yes ☒ No ☐

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow sand	60'	60'
Fine gray water sand	20'	80'
Clay & sand mix	45'	125'
Clean water sand	9'	134'

USE A 2ND SHEET IF NEEDED

8 SCREEN:

Type: JOHNSON Dia.: 4"

Slot/Gauze #7 Length 5'

Set between 129 ft. and 134 ft.

Fittings: 4' LEAD PACKER & PLUG

9 STATIC WATER LEVEL

60 ft. below land surface

10 PUMPING LEVEL below land surface

____ ft. after ____ hrs. pumping ____ g.p.m. UNKNOWN

____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) UNKNOWN Chlorides (Cl) ____

Hardness ____ Other ____

12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☐ Yes ☒ No ☐ Neat Cement ☐ Bentonite ☐ ____

Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination

100 feet S Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP: ☐ Not installed

Manufacturer's Name REX JACKET

Model Number S100NL HP 1 Volts 220

Length of Drop Pipe 84 ft. capacity 20 G.P.M.

Type: ☒ Submersible ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INTO BY DRILLER, ITEM NO.

*CORRECTED BY SD

**ADDITION BY

ELEVATION

DEPTH TO ROCK

17 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.

Wakefield Drilling Co 0395

REGISTERED BUSINESS NAME REGISTRATION NO.

4749 Westshire Dr NW

Address

Comstock Park Mich

Signed Don Wakefield Date 30 Sept 75

AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

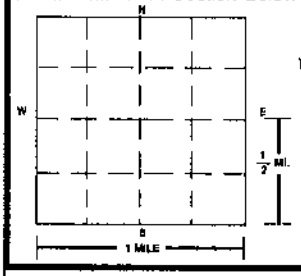
PERMIT NO:

1. LOCATION OF WELL

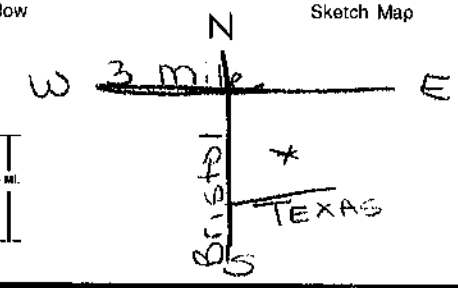
County	Township Name	Fraction	Section No.	Town No.	Range No.
Kent	Walker	1/4 1/4 1/4	10	7N	12W

Distance and Direction from Road Intersection
½ mile S of 3 Mile
500 ft. E of Bristol
N side of Texas
Street Address & City of Well Location

Locate with 'x' in Section Below



Sketch Map



3. OWNER OF WELL
Address: Vincent Gargagliano
1561 Texas NW
Walker, MI

Address Same as Well Location [X] Yes [ ] No

4. WELL DEPTH: 115 ft. Date Completed 10 / 21 / 94
[ ] New Well [X] Replacement Well

5. [ ] Cable Tool [X] Rotary [ ] Driven [ ] Dug
[ ] Hollow Rod [ ] Auger/Bored [ ] Jetted [ ]

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

7. CASING: [ ] Steel [ ] Threaded [X] Plastic [X] Welded [ ] Other
Diameter: 5 in. to 104 ft. depth
in. to ft. depth
BORE HOLE:
Diameter: 7 7/8 in. to 130 ft. depth
in. to ft. depth
Height: Above/Below Surface: 1 ft
Weight: 2.8 lbs./ft.
[ ] Drive Shoe
[ ] Shale Packer

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	19	19
Sand & Gravel	38	57
Sandy Clay & Gravel	21	78
Sand (med. to fine)	32	110
Sand (med.)	5	115

USE A 2ND SHEET IF NEEDED

RECEIVED
FEB 21 1995

8. SCREEN: [ ] Not Installed [X] Gravel-Packed
Type PVC Diameter 5"
Slot/Gauze 12 Length: 11'
Set Between 104 ft. and 115 ft.
FITTINGS: [ ] K-Packer [ ] Bremer Check
[ ] Blank Above Screen ft. Other Glued

9. STATIC WATER LEVEL:
60 ft. Below Land Surface [ ] Flowing

10. PUMPING LEVEL: Below Land Surface
ft. After 4 hrs. Pumping at 20 G.P.M.
[ ] Plunger [ ] Bailer [X] Air [ ] Test Pump

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

12. WELL GROUTED? [ ] No [XX] Yes From 100 to 0 ft.
[ ] Neat Cement [X] Bentonite [ ] Other
No. of Bags Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type Septic Distance 50 ft. Direction N
Type Distance ft. Direction

14. PUMP: [ ] Not Installed [ ] Pump Installation Only
Manufacturer's Name Aermotor
Model Number T12-75 HP 3/4 Volts 230
Length of Drop Pipe 100 ft. Capacity 12 G.P.M.
TYPE: [X] Submersible [ ] Jet [ ] Other
PRESSURE TANK:
Manufacturer's Name Used Owners
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.)

17. DRILLING MACHINE OPERATOR:
[X] Employee [ ] Subcontractor
Name C. Kage

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.

Raymer Co., Inc. 0384
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 1357 Comstock St. Marne, MI
Signed AUTHORIZED REPRESENTATIVE Date 12-15-94

GW-2-226 9/93

GEOLOGICAL SURVEY COPY

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

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO:

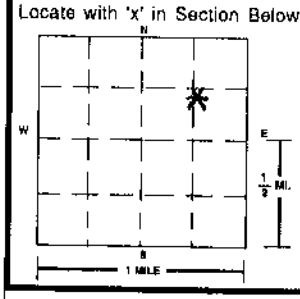
1. LOCATION OF WELL

County	Township Name	Fraction (1/4 1/4 1/4)	Section No.	Town No.	Range No.
Kent	Walker		10	7N	12W

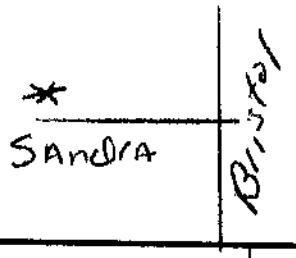
Distance and Direction from Road Intersection: 1/2 mile West of the intersection of Sandra and Bristol

Street Address & City of Well Location

Locate with 'x' in Section Below



Sketch Map



3. OWNER OF WELL
Address: MR. Jay Wiemeyer 1755 Sandra N.W. Grand Rapids, Mi.
Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH: 96 ft. | Date Completed 7 22 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 ☐ Plastic ☐ Welded ☐ Other _____
Diameter: 4 in. to 21 ft. depth; _____ in. to _____ ft. depth
BORE HOLE: Diameter: 6 in. to 10 ft. depth; _____ in. to _____ ft. depth
Height: Above/Below Surface: 1 ft
Weight: 11 lbs./ft.
☒ Drive Shoe ☐ Shale Packer

2. FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	8	8
Clay Gravel	21	29
Sand	30	59
Soft Clay	31	90
Gravel	6	96

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SEP 23 1994
ENVIRONMENTAL HEALTH

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8. SCREEN: ☐ Not Installed ☐ Gravel-Packed
Type: 515 Diameter: 3"
Slot/Gauze: 12 Length: 5'
Set Between: 91 ft. and 96 ft.
FITTINGS: ☒ K-Packer ☐ Bremer Check
☐ Blank Above Screen _____ ft. Other _____

9. STATIC WATER LEVEL: 70 ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface
70 ft. After 1 hrs. Pumping at 50 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 10 ft.
☐ Neat Cement ☒ Bentonite ☐ Other _____
No. of Bags 1 Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type Septic Distance 70 ft. Direction N
Type _____ Distance _____ ft. Direction _____

14. PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's Name Byron
Model Number 55N HP 1/2 Volts 220
Length of Drop Pipe 80 ft. Capacity 15 G.P.M.
TYPE: ☒ Submersible ☐ Jet ☐ Other _____
PRESSURE TANK:
Manufacturer's Name Extrol
Model Number 203 Capacity _____ Gallons 10

15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No
Casing Diameter 3 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.)

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

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.
Paul Kleynenberg — REGISTERED BUSINESS NAME
1957 — REGISTRATION NO.
Address 9919 Jasmer
Signed Paul Kleynenberg — AUTHORIZED REPRESENTATIVE
Date 7-23-94

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.

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

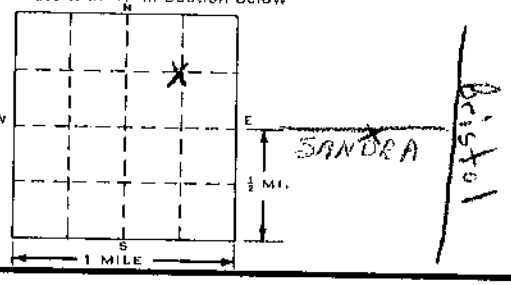
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	SE¼ NW¼ NE¼	10	T7N N/S	R12W E/W

Distance And Direction From Road Intersection: 700' West of Bristol on Sandra, south side of street.

Street Address & City of Well Location

Locate with "X" in Section Below



Sketch Map

3 OWNER OF WELL: Leonard Jenema
Address 1724 Sandra nw Grand Rapids MI 49504
Address Same As Well Location? XX Yes ☐ No

4 WELL DEPTH: 95 FT. | Date Completed MO. 5 DAY 14 YEAR 92 | ☐ New Well XX 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
4 in. to 90 ft. depth
3 in. to 95 ft. depth
Grouted Drill Hole Diameter
0 in. to 46 ft. depth
___ in. to ___ ft. depth
Height: Above/Below Surface 1 ft
Weight 11 lbs./ft.
Drive Shoe ☒ Yes ☐ No

8 SCREEN: ☐ Not Installed
Type Cook Diameter 3"
Slot/Gauze #10 Length 5
Set between 90 ft. and 95 ft.
FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other

9 STATIC WATER LEVEL: 74 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface
74 ft. after 2 hrs. pumping at 60 G.P.M.
___ ft. after ___ hrs. pumping at ___ G.P.M.

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

12 WELL GROUTED? ☐ No ☒ Yes From 0 to 28 ft.
☐ Neat cement ☒ Bentonite ☐ Other
No. of bags of cement 3 Additives

13 Nearest source of possible contamination
Type Septic Distance 50 ft. Direction S
Well disinfected upon completion? ☒ Yes ☐ No
Was old well plugged? ☒ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's name Burks
Model number 15SNB10B HP 1 Volts 220
Length of Drop Pipe 81 ft. capacity 15 G.P.M.
TYPE: ☒ Submersible ☐ Jet
PRESSURE TANK:
Manufacturer's name Well X Trol
Model number 250 Capacity 13.9 Gallons

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	48	48
Clay Gravel	12	60
Fine Sand	16	76
#10 Sand	14	90
#10 Sand	5	95

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. of Public Health
AUG 10 1992
KENT COUNTY HEALTH DEPARTMENT

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

AUG 14 1992
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWDS

17. Rig Operator's Name: Jim Wahlfield

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.

Wahlfield Drilling Co 0395
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 4449 Westshire Dr. Comstock Park
Signed Jeanette Wahlfield Date 5/18/92
AUTHORIZED REPRESENTATIVE

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

D67d 2/89

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

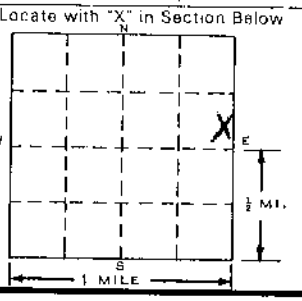
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	NE ¼ SE ¼ NE ¼	10	T7N N/S	R12W E/W

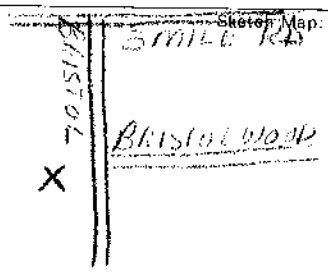
Distance And Direction From Road Intersection: Aprox. 800' South of Bristolwood on Bristol, West side of street.

Street Address & City of Well Location: Same

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL:
Andrew Wisniewski
Address 2510 Bristol NW
Grand Rapids MI 49504
Address Same As Well Location? XX Yes ☐ No

4 WELL DEPTH: 85 FT. | Date Completed MO. 11 DAY 1 YEAR 93 | ☐ New Well XX Replacement Well

5 X Cable tool ☐ Rotary X Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐ ____

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

7 CASING: Diameter XX Steel XX Threaded ☐ Plastic ☐ Welded
4 in. to 80 ft. depth
3 in. to 85 ft. depth
Grouted Drill Hole Diameter
____ in. to ____ ft. depth
____ in. to ____ ft. depth
Height: Above/Below
Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe X Yes ☐ No

8 SCREEN: ☐ Not Installed
Type Stainless Diameter 3"
Slot/Gauze #8 Sljot Length 5'
Set between 80 ft. and 85 ft.
FITTINGS: X K-Packer ☐ Lead Packer ☐ Bremer Check
☐ Blank above screen 1 ft. Other ____

9 STATIC WATER LEVEL:
69 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface
69 ft. after 1½ hrs. pumping at 70 G.P.M.
____ ft. after ____ hrs. pumping at ____ G.P.M.

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

12 WELL GROUTED? ☐ No X Yes From 0 to 32 ft.
☐ Neat cement XX Bentonite ☐ Other ____
No. of bags of cement 3 Additives ____

13 Nearest source of possible contamination
Type Septic Distance 50ft. Direction East
Well disinfected upon completion? XX Yes ☐ No
Was old well plugged? XX Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's name Burks
Model number 7B12 HP 3/4 Volts 220
Length of Drop Pipe 73 ft. capacity 12 G.P.M.
TYPE: X Submersible ☐ Jet ____
PRESSURE TANK:
Manufacturer's name Well X Trol
Model number 250 Capacity ____ Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	22	22
Clay Gravel	11	33
Clay Sand	16	49
Clay Sand Mix	7	56
Dry Sand	13	69
Blue Clay	6	75
Fine Sand	4	79
#8 Sand	6	85

RECEIVED
MICH. DEPT. OF PUBLIC HEALTH
NOV 19 93
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH

RECEIVED
NOV 1 1993
KENT COUNTY HEALTH DEPARTMENT

USE A 2ND SHEET IF NEEDED

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

17. Rig Operator's Name: Jim Wahlfield

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.

Wahlfield Drilling Inc. 41-0395
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 4449 Westshire Comstock park MI
Signed James Wahlfield Date 11/3/93
AUTHORIZED REPRESENTATIVE

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

D67d 2/89

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

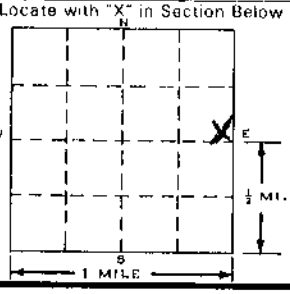
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	WALKER	NE¼ SE¼ SE¼	10	7 N/S	12 E/W

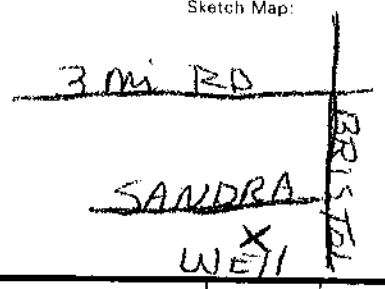
Distance And Direction From Road Intersection
4/10THS OF 1MI S. OF 3MI RD. WALKER
75 YARDS W. OF BRISTOL

Street Address & City of Well Location 1630 SANDRA

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL:
BILL WINEGAR
Address 1630 SANDRA
WALKER MI
Address Same As Well Location? ☑ Yes ☐ No

4 WELL DEPTH: 96 FT. Date Completed MO. 8 DAY 25 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
4 in. to 91 ft. depth
3½ in. to 96 ft. depth
Grouted Drill Hole Diameter
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below
Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe ☑ Yes ☐ No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
BROWN CLAY & SAND	6	6
SAND & GRAVEL	60	66
BROWN CLAY	12	78
HARD PAN	10	88
WATER SAND	8	96

8 SCREEN: ☐ Not Installed
Type STAINLESS Diameter 3½
Slot/Gauze 7 Length 5
Set between 91 ft. and 96 ft.
FITTINGS: ☑ K Packer ☐ Lead Packer ☐ Bremer Check
☐ Blank above screen 1 ft. Other _____

9 STATIC WATER LEVEL: 75 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface
90 ft. after 1 hrs. pumping at 30 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 0 to 25 ft.
☐ Neat cement ☑ Bentonite ☐ Other _____
No. of bags of cement 6 Additives _____

13 Nearest source of possible contamination
Type SEPTIC Distance 60 ft. Direction S.E.
Well disinfected upon completion? ☑ Yes ☐ No
Was old well plugged? ☑ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's name BURKS
Model number 12 HP ½ Volts 115
Length of Drop Pipe 80 ft. capacity 15 G.P.M.
TYPE: ☑ Submersible ☐ Jet _____
PRESSURE TANK:
Manufacturer's name WELL X TROL
Model number 203 Capacity 60 Gallons

RECEIVED
OCT - 1 1993
KENT COUNTY
HEALTH DEPARTMENT

USE A 2ND SHEET IF NEEDED

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

OCT 8 1993
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS

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.
TRI NORTHERN WD 1561
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 501 BROWN ST. CARO
Signed Thomas Tomm Date 8-25-93
AUTHORIZED REPRESENTATIVE

17. Rig Operator's Name: Moose Lacey

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

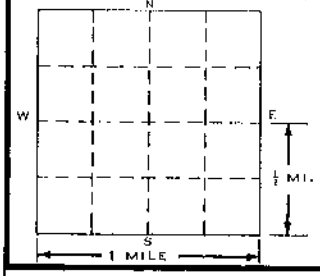
County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	City of Walker	¼ ¼ ¼	10	7 N/S	12 E/W

Distance And Direction From Road Intersection

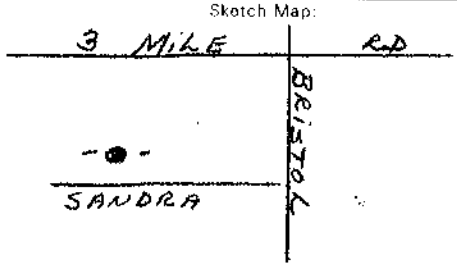
1000' West of Bristol - 50' North of Sandra

Street Address & City of Well Location: 1721 Sandra, N.W., Walker

Locate with "X" in Section Below



Sketch Map:



3 OWNER OF WELL:

Mr. Steven Moerman

Address: 1721 Sandra Blvd.,N.W., Walker

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH:

125 FT.

Date Completed: MO. 4 DAY 9 YEAR 92

[X] New Well [ ] Replacement Well

5

[ ] Cable tool [XX] Rotary [ ] Driven [ ] Dug
[ ] Hollow rod [ ] Auger [ ] Jetted [ ]

6 USE

[X] Domestic [ ] Type I Public [ ] Type III Public
[ ] Irrigation [ ] Type IIa Public [ ] Heat pump
[ ] Test Well [ ] Type IIb Public [ ]

7 CASING

Diameter [ ] Steel [ ] Threaded
[X] Plastic [X] Welded

5 in. to 110 ft. depth
in. to ft. depth

Grouted Drill Hole Diameter
8 in. to 125 ft. depth
in. to ft. depth

Height: Above/Below
Surface 1 ft.
Weight 2.8 lbs./ft.

Drive Shoe [ ] Yes [XX] No

8 SCREEN:

[ ] Not Installed

Type P.V.C. Diameter 5"
Slot/Gauze 12 Length 15
Set between 110 ft. and 125 ft
FITTINGS: [ ] K-Packer [ ] Load Packer [ ] Bremer Check
[ ] Blank above screen ft. Other Glued

9 STATIC WATER LEVEL

75 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

ft. after 4 hrs. pumping at 30 G.P.M.
ft. after hrs. pumping at G.P.M.

11 WELL HEAD COMPLETION

[X] Pitless adapter [ ] 12" above grade
[ ] Basement offset [ ] Approved pit

12 WELL GROUTED?

[ ] No [X] Yes From 110 to surface
[ ] Neat cement [X] Bentonite [ ] Other
No. of bags of cement Additives

13 Nearest source of possible contamination

Type Septic Distance 60 ft. Direction North
Well disinfected upon completion? [XX] Yes [ ] No
Was old well plugged? [ ] Yes [ ] No

14 PUMP:

[ ] Not Installed [ ] Pump Installation Only
Manufacturer's name Aermotor
Model number A12-75 HP 3/4 Volts 230
Length of Drop Pipe 110 ft capacity 15 G.P.M.
TYPE: [X] Submersible [ ] Jet
PRESSURE TANK:
Manufacturer's name Used owners tank
Model number Capacity Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand & Gravel	37	37
Clay & Gravel	2	39
Sand & Gravel	18	57
Gravel, Sand & Clay	38	95
Silty Clay	12	107
Gray Clay & Gravel	3	110
Gravel & Clay	15	125

USE A 2ND SHEET IF NEEDED

RECEIVED
JUN 15 1992
KENT COUNTY
HEALTH DEPARTMENT

RECEIVED
Mich. Dept. of Public Health
JUL 2 1992
BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-GWIS

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.

Raymer Company, Inc. 0384
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 3311 Three Mile Rd.,N.W., Grand Rapids

Signed AUTHORIZED REPRESENTATIVE Date May 14, 1992

17. Rig Operator's Name:

D67d 2/89

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

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

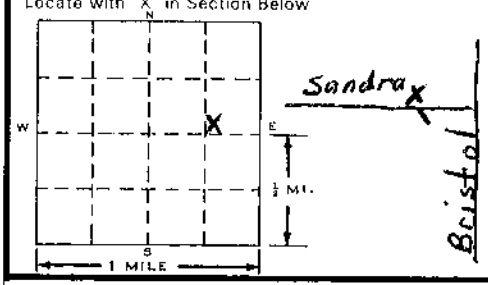
County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	Se¼ Se¼ SW¼	10	T7N N/S	R12W E/W

Distance And Direction From Road Intersection

1/8th Mile West of Bristol on Sandra.

Street Address & City of Well Location: Same

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL:

Randy DeYoung

Address: 1651 Sandra NW Grand Rapids

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH:

94 FT.

Date Completed: MO. 10 DAY 21 YEAR 91

[ ] New Well [XX] Replacement Well

5

[X] Cable tool [ ] Rotary [X] Driven [ ] Dug
[ ] Hollow rod [ ] Auger [ ] Jetted [ ]

6 USE:

[X] Domestic [ ] Type I Public [ ] Type III Public
[ ] Irrigation [ ] Type IIa Public [ ] Heat pump
[ ] Test Well [ ] Type IIb Public [ ]

7 CASING:

Diameter [X] Steel [X] Threaded [ ] Plastic [ ] Welded

0 in. to 88 ft. depth

____ in. to ____ ft. depth

Grouted Drill Hole Diameter

0 in. to 30 ft. depth

____ in. to ____ ft. depth

Height Above/Below Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe [XX] Yes [ ] No

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	41	41
Fine Gray Sand	30	71
Sand, Clay Mix	7	81
~~Fine~~ Sand	10	91
Yellow Sand	3	94

8 SCREEN:

[ ] Not Installed

Type Houston Diameter 3

Slot/Gauze 7 Slot Length 5'

Set between 88 ft. and 93 ft.

FITTINGS: [X] K-Packer [ ] Lead Packer [ ] Bremor Check

[X] Blank above screen 1 ft. Other ____

9 STATIC WATER LEVEL:

78 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

78 ft. after 1 hrs. pumping at 60 G.P.M.

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

11 WELL HEAD COMPLETION:

[X] Pitless adapter [X] 12" above grade
[ ] Basement offset [ ] Approved pit

12 WELL GROUTED?

[ ] No [X] Yes From 0 to 30 ft.

[ ] Neat cement [X] Bentonite [ ] Other ____

No. of bags of cement 3 Additives ____

13 Nearest source of possible contamination

Type Septic Distance 60 ft. Direction North

Well disinfected upon completion? [X] Yes [ ] No

Was old well plugged? [X] Yes [ ] No

14 PUMP:

[ ] Not Installed [ ] Pump Installation Only

Manufacturer's name Burks

Model number 15SNB140 HP 1½ Volts 220

Length of Drop Pipe 79 ft. capacity 18 G.P.M.

TYPE: [X] Submersible [ ] Jet ____

PRESSURE TANK:

Manufacturer's name Well X Trol

Model number 250 Capacity 13.6 Gallons

RECEIVED
JAN - 1 1991
KENT COUNTY HEALTH DEPARTMENT

RECEIVED
Mich. Dept. of Public Health
FEB 02 1992
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS

USE A 2ND SHEET IF NEEDED

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

A very good well.

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.

Wahlfield Drilling Co. 0395
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 4449 Westshore Dr. Comstock Park

Signed Jeanette Wahlfield Date 10/25/91
AUTHORIZED REPRESENTATIVE

17. Rig Operator's Name:

Jim Wahlfield

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

067d 2/89

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No. JUL 23 1980

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

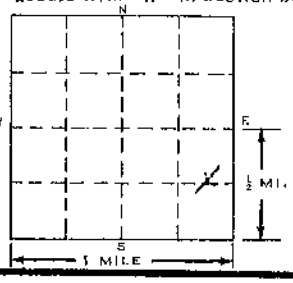
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
KENT	CITY OF WALKER	¼ ¼ ¼	10	T 7N N/S.	R 12E/W.

Distance And Direction from Road Intersections: 1720 VINECROFT NW.

Street address & City of Well Location

Locate with "X" in section below



Sketch Map:

3 OWNER OF WELL:
GERALD LONG
Address 1720 VINECROFT
GRAND RAPIDS MICH

4 WELL DEPTH: (completed) Date of Completion
72 ft. 24 JUNE 80

5
☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE:
☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐

7 CASING:
Threaded ☒ Welded ☐
4 in. to 67 ft. Depth
___ in. to ___ ft. Depth
Height: Above/Below Surface 3 ft.
Weight 11 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:
Type: JOHNSON Dia.: 4"
Slot/Gauze #7 Length 5'
Set between 67 ft. and 72 ft.
Fittings: 4" LEAD PACKER

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Sand	50'	50'
Sand & Clay	15'	65'
Water Sand	7'	72'

9 STATIC WATER LEVEL
50 ft. below land surface

10 PUMPING LEVEL below land surface
____ ft. after ___ hrs. pumping ____ g.p.m.
UNKNOWN
____ ft. after ___ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
UNKNOWN
Hardness ____ Other ____

12 WELL HEAD COMPLETION:
☐ In Approved Pit
☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted?
☐ Yes ☒ No
☐ Neat Cement ☐ Bentonite ☐ ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
60 feet SW Direction SEPTIC Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
☐ Not installed
Manufacturer's Name CFB JACUZZI
Model Number S100M1 HP 1 Volts 230
Length of Drop Pipe 56 ft. capacity 20 G.P.M.
Type: ☒ Submersible ☐ Jet ☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

RECEIVED
JUN 27 1980
KENT COUNTY HEALTH DEPT

ADDED INFO BY DRILLER/ITEM NO.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

17 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.

Caldwell Drilling Co 0395
REGISTERED BUSINESS NAME REGISTRATION NO.

1749 Westshire Dr NW
Address
Rock Creek, Mich
City, State

Signed [signature] Date 27 Jun. 80
AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY SAMPLE No. MAR 18 1982

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

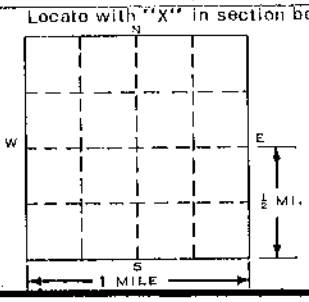
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	¼ ¼ ¼	10	N/S.	E/W.

Distance And Direction from Road Intersections
20 ft. S. of Vinecroft N. W.
200 ft. W. of Bristol
Street address & City of Well Location 1614 Vinecroft N. W.

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:
Meadows Catering
Address 1614 Vinecroft N. W.
Grand Rapids, MI 49504

4 WELL DEPTH: (completed) 55 ft. Date of Completion 12-16-81

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Jetted [ ] Bored [ ] ____

6 USE: [ ] Domestic [ ] Public Supply [ ] Industry [ ] Irrigation [ ] Air Conditioning [X] Commercial [ ] Test Well [ ] ____

7 CASING: Threaded [X] Welded [ ] Diam. 4 in. to 50 ft. Depth; ____ in. to ____ ft. Depth
Height: Above/Below Surface 1/ ft. Weight 11 lbs./ft. Drive Shoe? Yes [X] No [ ]

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	14	14
Dirty sand	18	32
Fine sand	23	55

8 SCREEN:
Type: Slotted Dia.: 4"
Slot/Gauze 7/80 Length 5'
Set between 50 ft. and 55 ft.
Fittings: Lead packer

9 STATIC WATER LEVEL
27 ft. below land surface

10 PUMPING LEVEL below land surface
____ ft. after 1½ hrs. pumping 30 g.p.m.
____ ft. after ____ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
Hardness ____ Other ____

12 WELL HEAD COMPLETION: [ ] In Approved Pit [X] Pitless Adapter [ ] 12" Above Grade

13 Well Grouted? [ ] Yes [X] No [ ] Neat Cement [ ] Bentonite [ ] ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
____ feet ____ Direction ____ Type
Well disinfected upon completion [X] Yes [ ] No

15 PUMP: [ ] Not installed
Manufacturer's Name Burks
Model Number 5SN8B HP ½ Volts 230
Length of Drop Pipe 40 ft. capacity 580 G.P.M. @ 40 psi
Type: [X] Submersible [ ] Jet [ ] Reciprocating
WX 202 267535

RECEIVED FEB 3 1982

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.
ADDED INFO BY DRILLER, ITEM NO.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

17 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.
Stovall Well Drilling Co. 41-0761
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 2132 Four Mile Rd. N. E.
Signed Howard Stovall Date 1-4-82
AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL

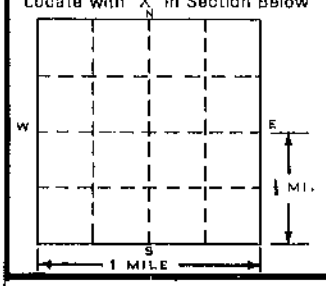
County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Wyoming	1/4 1/4 1/4	10	7 N/S	12 E/W

Distance And Direction From Road Intersection: 1/4 mile West corner Kraft & Jeffingwell 2508 Knapp, NE Grand Rapids, Mich

Street Address & City of Well Location

Locate with "X" in Section Below

Sketch Map:



3 OWNER OF WELL: Mr Michael Ellis

Address: 2508 Knapp NE Grand Rapids, Mich

Address Same As Well Location? [X] Yes [ ] No

4 WELL DEPTH: (completed) 104 ft. **Date of Completion** 2-8-85

5 [X] Cable tool [ ] Rotary [ ] Driven [ ] Dug [ ] Hollow rod [ ] Auger [ ] Jetted [ ]

6 USE: [X] Domestic [ ] Type I Public [ ] Type III Public [ ] Irrigation [ ] Type IIa Public [ ] Heat pump [ ] Test Well [ ] Type IIb Public [ ]

7 CASING: Diameter 4 in. to 100 ft. depth; ____ in. to ____ ft. depth; Grouted Drill Hole Diameter ____ in. to ____ ft. depth; ____ in. to ____ ft. depth

[X] Steel [X] Threaded [ ] Plastic [ ] Welded

Height: Above/Below; Surface 1 ft.; Weight 11 lbs./ft.; Drive Shoe [X] Yes [ ] No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	30'	30'
Gravley clay	10'	40'
Sand	4'	44'
Clay	36'	80'
Sand	24'	104'

8 SCREEN: [ ] Not Installed

Type Stainless Steel Diameter 5"

Slot/Gauze 7 Length 5

Set between 100 ft. and 104 ft

FITTINGS: [ ] K-Packer [X] Lead Packer [ ] Bremer Check [ ] Blank above screen ____ ft. Other ____

9 STATIC WATER LEVEL: 79 ft. below land surface [ ] Flow

10 PUMPING LEVEL: below land surface

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

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

11 WELL HEAD COMPLETION: [X] 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 ____ Distance 50 ft. Direction ____

Well disinfected upon completion? [X] Yes [ ] No

RECEIVED
Mich. Dept. of Public Health
MAR 12 1985
Bureau of Environmental and Occupational Health - GWQS

14 PUMP: [ ] Not Installed [X] Pump Installation Only

Manufacturer's name Barnes

Model number 7SN4B HP 3/4 Volts 220

Length of Drop Pipe 84 ft. capacity 15 G.P.M.

TYPE: [X] Submersible [ ] Jet

PRESSURE TANK: Manufacturer's name Clayton Mark

Model number 50-05 Capacity 11.7 Gallons

USE A 2ND SHEET IF NEEDED

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.

John M. Kleymeer & Sons 1193

REGISTERED BUSINESS NAME REGISTRATION NO.

Address Belmont, Mich

Signed J. J. Kleymeer Date 2-9-85

AUTHORIZED REPRESENTATIVE

D67d 2/84

GEOLOGICAL SURVEY COPY

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

GEOLOGICAL SURVEY SAMPLE No. #

APR 7 1983

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL

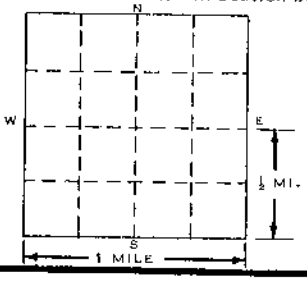
County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	¼ ¼ ¼	10 of 11	7 N/S.	12 E/W.

Distance And Direction from Road Intersections
1 Block East corner Bristol Ave & Bristolwood Dr. NW.

Street address & City of Well Location 2539 Bristolwood Dr. Walker, Mich

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:
Mr Robert Bonette
Address 2539 Bristolwood Dr. Walker, Mich.

4 WELL DEPTH: (completed)
83 ft.

Date of Completion 7-24-82

5
☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐ ____

6 USE:
☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐ ____

7 CASING:
Threaded ☒ Welded ☐
Diam. 4 in. to 73 ft. Depth
___ in. to ___ ft. Depth
Height: Above/Below Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:
Type Stainless Steel Dia.: 5"
Slot/Gauze 7 Length 10
Set between 73 ft. and 83 ft.
Fittings: Seal Packer

9 STATIC WATER LEVEL
57 ft. below land surface

10 PUMPING LEVEL below land surface
____ ft. after ___ hrs. pumping ____ g.p.m.
____ ft. after ___ hrs. pumping ____ g.p.m.

11 WATER QUALITY in Parts Per Million:
Iron (Fe) ____ Chlorides (Cl) ____
Hardness ____ Other ____

12 WELL HEAD COMPLETION:
☐ In Approved Pit
☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ ____
Depth: From ____ ft. to ____ ft.

14 Nearest Source of possible contamination
60 feet ____ Direction ____ Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:
☐ Not installed
Manufacturer's Name Purkow
Model Number ____ HP 1 Volts 220
Length of Drop Pipe 60 ft. capacity 25 G.P.M.
Type: ☒ Submersible ☐ Jet ☐ Reciprocating

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	83'	83'

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. Public Health
MAR 11 '83
Environmental Health Services Administration

RECEIVED
FEB 8 1983
KENT COUNTY H.D.

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.
*CORRECTED BY
**ADDITION BY
ELEVATION
DEPTH TO ROCK

17 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.

Klegenberg & Sons 04/93
REGISTERED BUSINESS NAME REGISTRATION NO.

Address Belmont Mich.

Signed [signature] Date 7-26-82
AUTHORIZED REPRESENTATIVE

D67d 100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY

GEOLOGICAL SURVEY NO.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

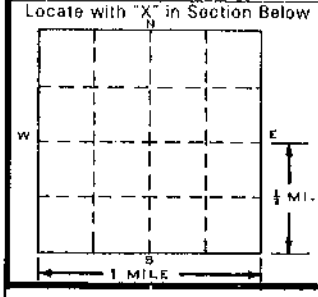
1 LOCATION OF WELL

County	Township Name	Fraction	Section Number	Town Number	Range Number
Kent	Walker	¼ ¼ ¼	10 or 15	7 N/S	12 E/W

Distance And Direction From Road Intersection: 1 Block West East Beltline & Knapp

Street Address & City of Well Location: 3162 Knapp NE Grand Rapids, Mich

Locate with "X" in Section Below



Sketch Map:

3 OWNER OF WELL: Dr. Ken Kooiman

Address: 3162 Knapp NE Grand Rapids, Mich.

Address Same As Well Location? ☒ Yes ☐ No

4 WELL DEPTH: (completed) 128 ft. — Date of Completion: 10-5-84

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

¼ in. to 112 ft. depth

____ in. to ____ ft. depth

Grouted Drill Hole Diameter

____ in. to ____ ft. depth

____ in. to ____ ft. depth

Height Above/Below Surface 1 ft

Weight 14 lbs./ft.

Drive Shoe ☒ Yes ☐ No

8 SCREEN: ☐ Not Installed

Type Stainless steel Diameter 2

Slot/Gauze 7 Length 5'

Set between 117 ft. and 123 ft.

FITTINGS: ☐ K-Packer ☒ Lead Packer ☐ Bremer Check ☐ Blank above screen ____ ft. Other ____

9 STATIC WATER LEVEL: 10 ft. below land surface ☐ Flow

10 PUMPING LEVEL: below land surface

____ ft. after ____ hrs. pumping at ____ 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 [redacted] Distance 60 ft. Direction ____

Well disinfected upon completion? ☒ Yes ☐ No

14 PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's name Berkeley

Model number ____ HP 3/4 Volts 220

Length of Drop Pipe 105 ft. capacity 12 G.P.M.

TYPE: ☒ Submersible ☐ Jet ____

PRESSURE TANK:

Manufacturer's name 2.50 Extrol

Model number ____ Capacity ____ Gallons

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	55'	55'
Sand	23'	78'
Clay	22'	90'
Stanley Clay	12'	102'
Sand	21'	123'

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. of Public Health
MAR 12 1985
Bureau of Environmental and Occupational Health - GWQS

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.

John M. Klaynenberg & Sons 0193

REGISTERED BUSINESS NAME REGISTRATION NO.

Address Belmont, Mich.

Signed J. J. Klaynenberg Date 10-10-84

AUTHORIZED REPRESENTATIVE

D67d 2/84

GEOLOGICAL SURVEY COPY

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

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

Geological Survey No

WATER WELL AND PUMP RECORD

Permit No.

County	Township Name	Fraction	Section No	Town No	Range Number
KENT	WALKER	SE 1/4 NE 1/4 SE 1/4	10	7 N	12 W

Distance And Direction From Road Intersection

JUST OFF OF BRISTOL ON SANDRA ST OVER THE RAILROAD TRACKS

Well Addr: 1738 SANDRA ST. N GRAND RAPIDS MI 49504

Owner of Well PEGGY MAKOWSKI

Address 1738 SANDRA ST.NW

GRAND RAPIDS MI 49504

Address Same as Well Location? YES

Locate with 'X' in Sec. Below

Sketch Map

1/2 mi.

Depth	Date Compl	This is a:
110 ft.	07/14/95	REPLACEMENT

Equipment Used: CABLE TOOL

Well Use: DOMESTIC

Casing Type: STEEL — Connection: WELDED

Diam. — Weight ABOVE

4 in. to 110 ft. — Surface 1 ft

in. to ft. — Weight 10.79 lb./ft.

Grouted Drill Hole — Drive Shoe YES

in. to ft.

in. to ft.

Formation Description	Thickness	Depth
SAND AND GRAVEL	80	80
FINE SILTY SAND	20	100
CLAY	10	110
GRAVEL AND BOULDERS	.5	110

Screen Type: — Diam: — [X] Not Installed

GAUZE — Length:

Set Between ft. and ft.

Fittings: — [ ] Blank above screen: ft.

Static Level: 70 ft. — Flow: NO

Pumping Level below land surface:

ft. after hrs. @ 0 GPM

ft. after hrs. @ 0 GPM

Well Head Completion: PITLESS ADAPTER

Grouted from to ft. Material: LEONARD METHOD

Cement: bags Additive:

Nearest source of possible contamination:

Type: SEWER LINE Distance: ft.

Direction:

Well disinfected on completion? YES Old well plugged? YES

Pump: [ ] Not Installed [ ] Installation Only

Manufacturer's Name: AERMOTOR

Model: 3 WIRE HP: 1 Voltage: 230

Drop pipe: 90 ft. Capacity: 10 GPM

Pump type: SUBMERSIBLE

Pressure Tank Manufacturer's Name : WELL XTROL

Model: 251 Capacity: 62 Gal.

Remarks, elevation, source of data, etc.

INVOICE #10360

Rig Operator's Name

MIKE KOOIMAN

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 Bus. Name KARL GEIGER WATER WELL CONST. 0700

Business Address 5043 Whites Bridge R Belding MI 48809

Signed Karl Geiger 08/03/95

Authorized Representative Date

Authority: Act 368 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

Oh 9-25-98

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

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:

PERMIT NO:

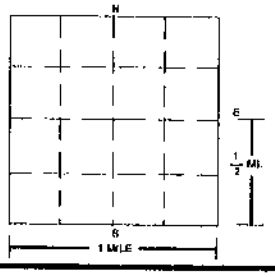
1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
KENT	WALKER	1/4 1/4 1/4	10	7N	12W

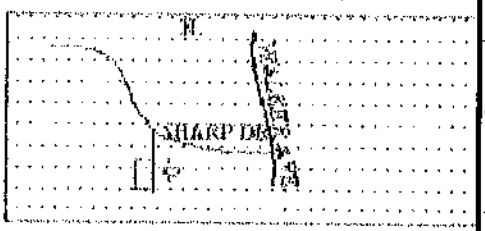
Distance and Direction from Road Intersection: 1000' SOUTH OF SHARP RD. - 1/4 MILE WEST OF WALKER AVE.

Street Address & City of Well Location: 2202 SHARP DR. WALKER

Locate with 'x' in Section Below



Sketch Map



3. OWNER OF WELL
Address: DEWYS, GENE
2202 SHARP DR.
WALKER MI
Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH: 96 ft. Date Completed 9 / 16 / 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 GLUED
Diameter: 6 in. to 86 ft. depth
in. to ft. depth
BORE HOLE: Diameter: 8 1/2 in. to 96 ft. depth
in. to ft. depth
Height: Above/Below Surface: 1 ft
Weight: 2.8 lbs./ft.
☐ Drive Shoe ☐ Shale Packer

2. FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
SAND	1	1
BROWN CLAY	15	16
PUTTY SAND	34	50
COARSE SAND	46	96

USE A 2ND SHEET IF NEEDED

SEP 25 1998

8. SCREEN: ☐ Not Installed ☒ Gravel-Packed
Type PVC Diameter 4.5
Slot/Gauze 12 Length: 10
Set Between 86 ft. and 96 ft.
FITTINGS: ☐ K-Packer ☐ Bromer Check
☐ Blank Above Screen ft. Other GLUED

9. STATIC WATER LEVEL: 24 ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface
ft. After 4 hrs. Pumping at 50 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 75 to 0 ft.
☐ Neat Cement ☒ Bentonite ☐ Other
No. of Bags Additives QUICK GROUT

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type SEPTIC Distance 60 ft. Direction S.W.
Type Distance ft. Direction

14. PUMP: ☐ Not Installed ☐ Pump Installation Only
Manufacturer's Name GRUNDFOS
Model Number 10SQE-14 HP 1 1/2 Volts 230
Length of Drop Pipe 40 ft. Capacity 16 G.P.M.
TYPE: ☒ Submersible ☐ Jet ☐ Other
PRESSURE TANK:
Manufacturer's Name AMTROL
Model Number WX-302 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.)

17. DRILLING MACHINE OPERATOR:
☒ Employee ☐ Subcontractor
Name CURTIS MASUNAS

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.
Raymer Company, Inc. 0384
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 1357 Comstock, Manne MI 49436
Signed [signature] AUTHORIZED REPRESENTATIVE Date 9/22/98

GEOLOGICAL SURVEY COPY

EQP 2017 (12/96)

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

WATER WELL AND PUMP RECORD

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

8-3-99 cm

TAX NO:

PERMIT NO:

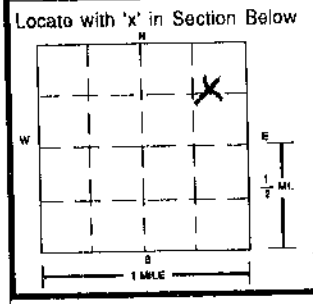
1. LOCATION OF WELL

County	Township Name	Fraction	Section No.	Town No.	Range No.
Kent	Walker	SW 1/4 NE 1/4 NE 1/4	10	7N	12W

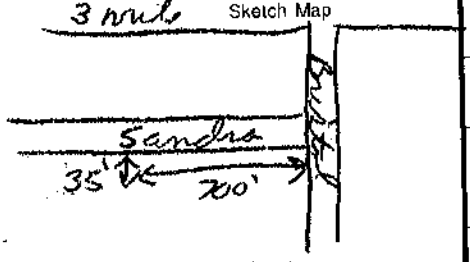
Distance and Direction from Road Intersection
About 700' West of Bristol
& About 35' South of Sandra

Street Address & City of Well Location

Locate with 'x' in Section Below



Sketch Map



3. OWNER OF WELL: Van Solkema
Address: 1708 Sandra
Walker MI
Address Same as Well Location ☑ Yes ☐ No

4. WELL DEPTH: 95 ft. | Date Completed: 6/10/99 | ☐ 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: 4 in. to 91 ft. depth
_____ in. to _____ ft. depth
BORE HOLE:
Diameter: _____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface: 1 ft
Weight: .237 lbs./ft.
☑ Drive Shoe ☐ Shale Packer

8. SCREEN: ☐ Not Installed ☐ Gravel-Packed
Type: Johnson SS Diameter: 4"
Slot/Gauze: 10 Length: 4'
Set Between: 91 ft. and 95 ft.
FITTINGS: ☑ K-Packer ☐ Bromer Check
☐ Blank Above Screen _____ ft. Other _____

9. STATIC WATER LEVEL: 75 ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface
78 ft. After 1 hrs. Pumping at 30 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 91 ft.
☐ Neat Cement ☐ Bentonite ☐ Other Bensead
No. of Bags 6 Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type Septic Distance 53 ft. Direction South
Type _____ Distance _____ ft. Direction _____

14. PUMP: ☐ Not Installed ☑ Pump Installation Only
Manufacturer's Name Goulds
Model Number SD480 Length of Drop Pipe 85'+1' ft. HP 1 Volts 230
Capacity 20 G.P.M.
TYPE: ☑ Submersible ☐ Jet ☐ Other _____
PRESSURE TANK:
Manufacturer's Name Aqua Air
Model Number V-T40 Capacity 14 Gallons

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	62	62
Sand, Stones, Clay	21	83
Sand	12	95

USE A 2ND SHEET IF NEEDED

RECEIVED
MICH DEPT OF ENVIRONMENTAL QUALITY
AUG 9 1999
DRINKING WATER & RADIOLOGICAL PROTECTION DIV.
WELL CONSTRUCTION UNIT

15. ABANDONED WELL PLUGGED? ☑ Yes ☐ No
Casing Diameter 3 in. Depth 95 ft.
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☑ Bentonite Chips
No. of Bags 65 Casing Removed? ☐ Yes ☑ No

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

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.
Plumb Drilling Co. 1971
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 3696 76th
Signed Ron Plumb AUTHORIZED REPRESENTATIVE Date 6-10-99

EQP 2017 (12/96)

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