

FEB 04 1976

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		
County <u>Allegan</u>	Township Name <u>Cheshire</u>	Fraction <u>SW 1/4 SE 1/4</u>
		Section Number <u>5</u>
		Town Number <u>1 N 2</u>
		Range Number <u>14 E W.</u>
Distance And Direction from Road Intersections <u>4 1/10 mi West of 44th St. on North Side of 110th Ave</u>		
Street Address & City of Well Location <u>18935 Forier Detroit, Mich 48235</u>		
Locate with "X" in section below		
Sketch Map:		
3 OWNER OF WELL: <u>Arthur Compton</u>		
Address <u>18935 Forier Detroit, Mich 48235</u>		
4 WELL DEPTH: (completed) <u>65 ft.</u> Date of Completion <u>10/27/75</u>		
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 ☐ Height: Above/Below Diam. _____ Surface _____ ft. <u>2 in.</u> to <u>62 ft.</u> Depth Weight <u>3.75 lbs./ft.</u> _____ in. to _____ ft. Depth Drive Shoe? Yes ☒ No ☐		
8 SCREEN:		
Type <u>Johnson R.H.</u> Dia.: <u>1 1/4"</u>		
Slot/Gauge <u>20</u> Length <u>3 ft.</u>		
Set between <u>62 ft.</u> and <u>65 ft.</u>		
Fittings: <u>1 1/4" coupling, Premier</u>		
9 STATIC WATER LEVEL <u>18</u> 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		
_____ feet _____ Direction _____ Type _____		
Well disinfected upon completion ☒ Yes ☐ No		
15 PUMP: ☐ Not installed		
Manufacturer's Name <u>Aermotor</u>		
Model Number <u>DCJ-75</u> HP <u>3/4</u> Volts <u>230</u>		
Length of Drop Pipe <u>42</u> ft. capacity <u>12</u> G.P.M.		
Type: ☐ Submersible		
☒ Jet ☐ Reciprocating		
16 Remarks, elevation, source of data, etc.		
ADDED INFO BY DRILLER, ITEM NO. •CORRECTED BY <u>BT</u> ••ADDITION BY _____ ELEVATION _____ DEPTH TO ROCK _____		
17 WATER WELL CONTRACTOR'S CERTIFICATION:		
This well was drilled under my jurisdiction and this report is true		
the best of my knowledge and belief.		
<u>Brendley Well Drilling</u> <u>353</u>		
REGISTERED BUSINESS NAME REGISTRATION NO.		
Address <u>Rt 1 Box 582 Hobbs, Mich 49055</u>		
Signed <u>Bruce Brendley</u> Date <u>10/28/75</u>		
AUTHORIZED REPRESENTATIVE		

SEP 24 1973

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Allegan Township Name Cheshire Fraction SE 1/4 SE 1/4 SE 1/4 Section Number 5 Town Number 1 N/4 Range Number 14 E/W.

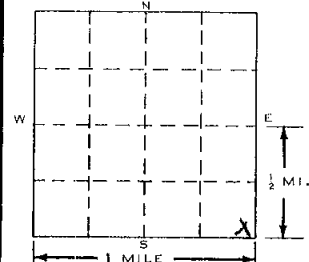
Distance And Direction from Road Intersections

corner of 110 Ave & 44 St

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Address

Andrew Stankey
R#4 Allegan

4 WELL DEPTH: (completed) Date of Completion

42 ft. 3-20-73

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 ☐ Height: Above/Below

Diam.

2 in. to 39 ft. Depth29 in. to 42 ft. DepthWeight 325 lbs./ft.Drive Shoe? Yes ☐ No ☐

8 SCREEN:

Type: Red Head Dia.: 1 1/4Slot/Gauze 15 Length 3 ftSet between 39 ft. and 42 ft.Fittings: 1/4 coupling & burner

9 STATIC WATER LEVEL

29 ft. below land surface

10 PUMPING LEVEL below land surface

ft. after hrs. pumping g.p.m.Pump goodft. after hrs. pumping g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) Chlorides (Cl) good tasteHardness Other

12 WELL HEAD COMPLETION:

☒ In Approved Pit☐ Pitless Adapter ☐ 12" Above Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite ☐Depth: From ft. to ft.

14 Nearest Source of possible contamination

 feet Direction Type Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☒ Not installedManufacturer's Name Model Number HP Volts Length of Drop Pipe ft. capacity G.P.M.Type: ☐ Submersible☐ Jet ☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM #11

DIRECTED BY OTADDITION

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.

Bradley Well Drilling 353REGISTERED BUSINESS NAME REGISTRATION NO. Address R#11 Hobbes Rd 49055Signed Charles Bradley 3-20-73

AUTHORIZED REPRESENTATIVE

PERMIT NUMBER:

Geological Survey Copy

(R)

S-M-W
Cheshire Twp. (Alleghen Co.)Exploratory
TD 1800 in Bois Blanc (?)
Dry

C. F. Kinnell and G. H. Schrack

F. L. Hamilton No. 1

Permit No. 571

Drilling Contractors: W. H. Voorhees

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5, T.1N., R.14W. on F. L. Hamilton farm.
390' from north and 300' from east line of quarter section.

Elevation: 684.5 feet above sea level.

Record by: R. B. Newcombe compiled from samples and driller's log.

	Thickness (feet)	Depth (feet)
PLEISTOCENE:		
Drift:		
Drift	227	227
Sand	138	365
	(365)	
MISSISSIPPIAN:		
Coldwater:		
Shale, gray, hard, calcareous	27	392
Shale, gray	78	470
Shale, dark gray, hard	10	480
Shale, gray	25	505
Limestone, gray	5	510
Shale	117	627
Limestone, red, calcareous, shale	13	640
	(275)	
Ellsworth:		
Shale, greenish gray	375	1015
MISSISSIPPIAN-DEVONIAN:		
Antrim: (Possibly some Ellsworth in upper part, Traverse Formation in lower part) (Pre-Report-base of Antrim @ 1150)		
Shale, black and brownish black	190	1205
DEVONIAN:		
Traverse-Dundee:		
Limestone, buff and light buff (water at 1290)	160	1365
Limestone, gray and buff (some lime sand-calcareous)	15	1380
Limestone, buff	15	1395
Limestone, gray to buff (cherty)	15	1410
Limestone, buff to gray	20	1430
Shale, blue gray and limestone, cherty (pyritous)	5	1435
Limestone, brownish buff, porous	25	1460
Limestone, light buff	15	1475
Limestone, brownish buff (water at 1450)	28	1503
Limestone, brown, porous, crystalline	17	1520
Limestone, buff	20	1540
	(335)	

COMPLETED

8-1-29

CASING

RECORD

10" 227'

8 1/4" 458'

6 5/8" 1673'

P.F.A.

5-1N-14W
Cheshire Twp. (Allegan Co.)

Exploratory
TD 2598 in Clinton-Cataract
Dry

Worth Exploration Company

Wedge-Lickley Unit No. 1

Permit No. 24130

Drilling Contractor: Calvert Drilling Co. (Rotary)

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5, T. 1N., R. 14W.
1636.2 feet from South and 1639.5 feet from West line of quarter section

Elevation: 694 feet above sea level (rot. bush.)

Record by: William Mantek from sample log submitted by the company; some formation
tops from Schlumberger Gamma Ray-Neutron (Schj.)

PLEISTOCENE:	Thickness (feet)	Depth (feet)
Drift:		
Gravel to sand, coarse, unsorted	185	185 Schj.
MISSISSIPPIAN:		
Coldwater:		
Clay, medium to dark gray, plastic, "gumbo-like"	14	199
Clay as above; trace shale, medium gray, slightly laminated	6	205
Shale, gray (light to medium), trace limestone to dolomitic limestone found throughout redrock	427	632
Shale, red, hematitic; trace dolomite, light gray, medium to finely crystalline, dense	20 (467)	652 Schj.
Ellsworth:		
Shale, light gray, silty; shale, light green gray	348	1000
Shale, medium gray green and medium green, slightly carbonaceous (light Antrim)	75	1075
Shale, black, carbonaceous and dark green	71 (494)	1146 Schj.
MISSISSIPPIAN-DEVONIAN:		
Antrim:		
(Shale), black to brown, spores	48	1194
Shale, light gray, slightly calcareous and shale as above (30%)	31	1225
Shale as above; with trace pyrite	23 (102)	1248 Schj.
DEVONIAN:		
Traverse Formation:		
Shale, as above; trace limestone, gray, micritic	17	1265
Shale and limestone as above, pyrite	7	1272
Limestone, tan, micritic to finely crystalline, dense; shale as above	27 (51)	1299 Schj.
COMPLETED Traverse Limestone:		
7-3-62 Limestone, tan, white, mottled, dolomitic, medium green, CASING detrital to micritic, fair porosity; trace sandstone, RECORD clear grains, medium rounded to subangular, frosted in part, fluorescence (1314-1319 oil stained)	35	1334

COMPLETED
7-3-62
CASING
RECORD
P58" 252'

TAX NO:		MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>Allegan</u>		<u>Cheshire</u>		<u>SW 1/4 SW 1/4 SE 1/4</u>	<u>5</u>	<u>T 14N</u>	<u>R 14W</u>
Distance and Direction from Road Intersection							
Well located .4 mile W of 44th St. N side of Road on 110th Ave.							
Street Address & City of Well Location <u>4481 110th Ave Allegan</u>							
Locate with 'x' in Section Below							
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM			
<u>Sand</u>		<u>4</u>		<u>4</u>			
<u>Moist Sand</u>		<u>9</u>		<u>13</u>			
<u>Hard Blue clay</u>		<u>4</u>		<u>17</u>			
<u>clay / Sand</u>		<u>5</u>		<u>22</u>			
<u>Sand</u>		<u>18</u>		<u>40</u>			
USE A 2ND SHEET IF NEEDED							
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.)							
<u>Well Installed Before Sept.</u>							
17. DRILLING MACHINE OPERATOR:							
☒ Employee ☐ Subcontractor							
Name <u>Bruce Venturi</u>							
3. OWNER OF WELL <u>Willow Brook Homes</u>							
Address <u>8002 W.D. AVE. Kalamazoo, MI 49009</u>							
Address Same as Well Location ☐ Yes ☒ No							
4. WELL DEPTH: <u>40</u> ft.		Date Completed <u>10/17/97</u>		☒ New Well ☐ Replacement Well			
☒ Cable Tool ☐ Rotary		☐ Hollow Rod ☐ Auger/Bored		☒ Driven ☐ Dug			
☐ Jettied							
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		Height Above/Below Surface: <u>9</u> ft.			
☐ Other _____				Diameter: <u>4</u> in. to <u>36</u> ft. depth			
				Weight: <u>11</u> lbs./ft.			
BORE HOLE: Diameter: <u>4</u> in. to <u>40</u> ft. depth							
☒ Drive Shoe ☐ Shale Packer							
8. SCREEN: ☐ Not Installed ☐ Gravel-Packed							
Type <u>SS</u> Diameter <u>4"</u>							
Slot/Gauze <u>10</u> Length: <u>4'</u>							
Set Between <u>36</u> ft. and <u>40</u> ft.							
FITTINGS: ☒ K-Packer ☐ Bremer Check							
☒ Blank Above Screen <u>1</u> ft. Other _____							
9. STATIC WATER LEVEL: <u>8</u> ft. Below Land Surface ☐ Flowing							
10. PUMPING LEVEL: Below Land Surface							
<u>36</u> ft. After <u>1</u> hrs. Pumping at <u>14</u> G.P.M.							
☒ Plunger ☐ Bailor ☐ Air ☐ Test Pump							
11. WELL HEAD COMPLETION:							
☒ Pitless Adapter ☒ 12" Above Grade							
☐ Basement Offset ☐ Well House							
12. WELL GROUTED? ☐ No ☒ Yes							
From <u>700</u> to <u>36</u> ft.							
☐ Neat Cement ☐ Bentonite ☒ Other <u>General</u>							
No. of Bags <u>2</u> Additives _____							
13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: <u>NA</u>							
Type _____ Distance _____ ft. Direction _____							
Type _____ Distance _____ ft. Direction _____							
14. PUMP: ☐ Not Installed ☐ Pump Installation Only							
Manufacturer's Name <u>Eagle</u>							
Model Number <u>10EAD30012</u> HP <u>1/2</u> Volts <u>230</u>							
Length of Drop Pipe <u>21</u> ft. Capacity <u>10</u> G.P.M.							
TYPE: ☒ Submersible ☐ Jet ☐ Other _____							
PRESSURE TANK:							
Manufacturer's Name <u>Ametrol</u>							
Model Number <u>202</u> Capacity <u>20</u> Gallons <u>6.2</u>							
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.							
<u>R.P. Baker Well Drilling</u> <u>0408</u>							
REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____							
Address <u>1218 42nd St. Allegan MI 49010</u>							
Signed <u>R.P. Baker</u> Date <u>10-20-97</u>							
AUTHORIZED REPRESENTATIVE _____							

FEB 04 1976

WATER WELL RECORD

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MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

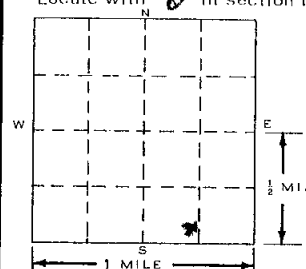
1 LOCATION OF WELL

County Allegan Township Name Cheshire Fraction SE 1/4 SE 1/4 Section Number 5 Town Number 1 N.E. Range Number 14 W.

Distance and Direction from Road Intersections

3/10 mi West of 44th St. on NorthSide of 118th Ave

Sketch Map:



3 OWNER OF WELL:

Address William Elmor
6763 Seminole
Detroit, Mich. 48213

4 WELL DEPTH: (completed) Date of Completion

70 ft. 7/25/75

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 ☐ Height: Above/Below
Diam. _____ Surface _____ ft.

2 in. to 67 ft. Depth Weight 3.75 lbs./ft.
_____ in. to _____ ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Johnson R.H. Dia.: 1 1/4"
Slot/Caul: 15 Length 3 ft.
Set between 67 ft. and 70 ft.
Fittings: 1 1/4" coupling, Bremer

9 STATIC WATER LEVEL

30 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

_____ feet _____ Direction _____ Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name Aermotor

Model Number DAJ-75 HP 3/4 Volts 230

Length of Drop Pipe 42 ft. capacity 12 G.P.M.

Type: ☐ Submersible

☒ Jet ☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY 81

**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.

Brindley Well Drilling 353
REGISTERED BUSINESS NAME REGISTRATION NO.

Address Rt. 1, Box 58, Gobles, Mich

Signed Bruce Brindley Date 7/28/75
AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County <u>Alcona</u>	Township Name <u>CHESSAIRE</u>	Fraction <u>NW 1/4 SW 1/4 NW 1/4</u>	Section Number <u>5</u>
Distance And Direction From Road Intersection		Town Number <u>1</u> Range Number <u>14</u> E/W	
Street Address & City of Well Location		Address <u>N. 46th St.</u>	
Locate with "X" in Section Below		Address Same As Well Location? ☒ Yes ☐ No	
		4 WELL DEPTH: <u>102</u> ft. Date Completed <u>1/8/95</u> ☒ New Well ☐ Replacement Well	
Sketch Map: 		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 ☐	
2 FORMATION DESCRIPTION		7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height: Above/Below _____ in. to _____ ft. depth Surface _____ ft. _____ in. to _____ ft. depth Weight <u>11</u> lbs./ft. Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No _____ in. to _____ ft. depth	
		8 SCREEN: ☐ Not Installed Type <u>SS wire</u> Diameter <u>3</u> Slot/Gauze <u>35</u> Length <u>2</u> Set between <u>92</u> ft. and <u>102</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen <u>1.5</u> ft. Other _____	
SAND BRN CLAY DIRTY SAND GRAY CLAY + ROCKS GRAVEL + CLAY BALLS GRAY CLAY		9 STATIC WATER LEVEL: <u>+1</u> ft. below land surface ☒ Flow	
THICKNESS OF STRATUM <u>4</u> <u>52</u> <u>7</u> <u>32</u> <u>8</u>		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
DEPTH TO BOTTOM OF STRATUM <u>4</u> <u>56</u> <u>63</u> <u>95</u> <u>103</u>		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
RECEIVED Mich. Dept. of Public Health FEB 22 1996 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS		12 WELL GROUTED? ☐ No ☒ Yes From _____ to _____ ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement <u>3</u> Additives _____	
		13 Nearest source of possible contamination Type <u>SEPTIC</u> Distance <u>80</u> ft. Direction <u>N</u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No	
USE A 2ND SHEET IF NEEDED		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>MYERS</u> Model number _____ HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>21</u> ft. capacity <u>12</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name <u>202 XTRO1</u> 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. <u>McKENNEY Well Drilling</u> <u>03-1696</u> REGISTERED/BUSINESS NAME REGISTRATION NO. Address <u>3116 Melodee Rd. Allegan, MI</u> Signed _____ Date <u>JAN 8, 95</u> AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: 		Authority: <u>Act 368 PA 1978</u> Completion: <u>Required</u> Penalty: <u>Conviction of a violation of any provision is a misdemeanor.</u>	

FEB 13 1984

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL

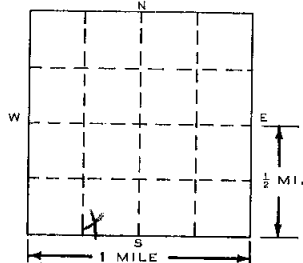
County ALLEGAN Township Name CHESHIRE Fraction 1/4 1/4 1/4 Section Number 5 Town Number 7 Range Number 14 N. W.

Distance And Direction from Road Intersections

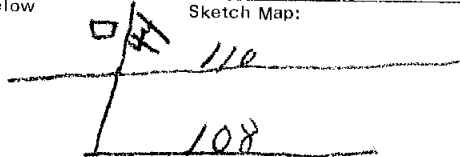
75 FT WEST OF 44 ST
1066 44 ST. CHESHIRE MICH

Street address & City of Well Location

Locate with "X" in section below



Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

GRAVEL + SAND

20

20

CLAY + GRAVEL

6

26

WATER SAND

7

33

3 OWNER OF WELL:

BEVERLEY KING
Address 1066 44 ST CHESHIRE

10/28/83

4 WELL DEPTH: (completed) Date of Completion
33 ft. 10/28/83

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 ☐ Height: Above/Below
Diam. Surface 1 ft.

2 in. to 29 ft. Depth Weight 375 lbs./ft.
2 in. to 29 ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: STAINLESS Dia.: 1 1/4

Slot/Gauze 60 Length 4

Set between 29 ft. and 33 ft.

Fittings: BRENNER CHECK

9 STATIC WATER LEVEL

18 ft. below land surface

10 PUMPING LEVEL below land surface

18 ft. after 1 hrs. pumping 8 g.p.m.

18 ft. after 1 hrs. pumping 8 g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) NOT Chlorides (Cl) KNOWN

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

80 feet EAST Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name F+W

Model Number SPJ10-1 HP 2 Volts 120

Length of Drop Pipe 21 ft. capacity 8 G.P.M.

Type: ☐ 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.

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.

REX BROTHER

REGISTERED BUSINESS NAME

REGISTRATION NO. 1661

Address 560 19th St OTSEGO MICH

Signed Howard Rex

AUTHORIZED REPRESENTATIVE

Date 10/28/83

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3. OWNER OF WELL:	
County Allegan	Township Name CHESHIRE	Fraction 1/4 SE 1/4 NE 1/4	Section Number 5
Distance And Direction From Road Intersection		Town Number 1 N 9	Range Number 14 EW
Street Address & City of Well Location		Address 3641-108th Ave Allegan, MI 49000	
Locate with "X" in Section Below		Address Same As Well Location? ☐ Yes ☒ No	
		4 WELL DEPTH: Date Completed 7/24/92 ☒ New Well ☐ Replacement Well	
Sketch Map:		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: ☒ Steel ☐ Threaded ☐ Welded ☐ Plastic ☐ Height: Above/Below _____ in. to _____ ft. depth _____ in. to _____ ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth _____ in. to _____ ft. depth	
2 FORMATION DESCRIPTION SAND CLAY SAND		8 SCREEN: ☐ Not Installed Type SS Diameter _____ Slot/C. 15 Length _____ Set between 51 ft. and 56 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1.5 ft. Other PL-9	
		9 STATIC WATER LEVEL: 18 ft. below land surface ☐ Flow	
THICKNESS OF STRATUM 12 37		10 PUMPING LEVEL: below land surface 18 ft. after 4 hrs. pumping at 40 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Wellless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit	
DEPTH TO BOTTOM OF STRATUM 12 49		12 WELL GROUTED? ☐ No ☒ Yes From _____ to _____ ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement 3 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 GRUNDFOS Model number 1050S-9 HP 1/2 Volts 230 Length of Drop Pipe 36 ft. capacity _____ G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Well XTRO1 Model number 203 Capacity _____ Gallons			
15. Remarks, elevation, source of data, etc. RECEIVED MICHIGAN DEPT. OF PUBLIC HEALTH JUL 27 1992		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. McKenney Well Drilling 03-1696 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3146 Melrose Rd. Dr. Allegan, MI 49000 Signed Stanley McKenney Date July 26, 92 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: Stanley McKenney		Authority: Act 368 PA 1978 Completion: Required Penalty: Conviction of a violation of any provision is a misdemeanor.	

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		2 FORMATION DESCRIPTION		3 OWNER OF WELL	
County Allegan	Township Name Cheshire	Fraction SE 1/4 SE 1/4 SW 1/4	Section Number 5	Town Number 1	Range Number 14
Distance And Direction From Road Intersection About 5/10 mi. from 44th St. and 110th Ave. and about 210' north of 110th Ave.		Address 4493-110th Ave. Allegan, Mich. 49010			
Street Address & City of Well Location 4509-110th Ave. Allegan		Address Same As Well Location? ☐ Yes ☒ No			
Locate with "X" in Section Below		4 WELL DEPTH: 40 FT. Date Completed 1-24-95			
Sketch Map:		☒ 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: ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded Diameter 2 in. to 36 ft. depth Grouted Drill Hole Diameter 3.75 lbs./ft. Height: Above Surface 1 ft. Weight 3.75 lbs./ft. Drive Shoe ☒ Yes ☐ No			
		8 SCREEN: ☐ Not Installed Type Stainless Diameter 2" ☒ Gauze .015 Length 4' Set between 36 ft. and 40 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
		9 STATIC WATER LEVEL: 21 ft. below land surface ☐ Flow			
		10 PUMPING LEVEL: below land surface Plunger 21 ft. after 1 hrs. pumping at 14 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 75 ft. Direction NE Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No			
		14 PUMP: ☒ Not Installed ☐ Pump Installation Only Manufacturer's name Model number HP Volts Length of Drop Pipe ft. capacity G.P.M. TYPE: ☐ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Model number Capacity Gallons			
15. Remarks, elevation, source of data, etc. Tight Pumpers suggest use of deep well Pump for good capacity		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. Thompson Well Drilling 03-2080 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3471-126th Ave. Allegan, Mich. 49010 Signed John Thompson Date 2-2-95 AUTHORIZED REPRESENTATIVE			
17. Rig Operator's Name: John Thompson					

MAY 06 1983

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Allegan Township Name Cheshire Fraction SW 1/4 SE 1/4 Section Number 5 Town Number 1 Range Number 14 N.W.

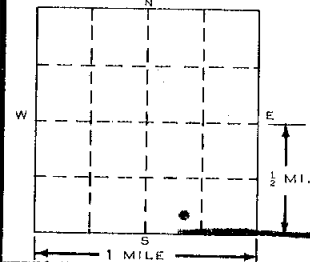
Distance And Direction from Road Intersections

1/4 mile West 44th
300 North of 110th Ave

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:

110th Ave

3 OWNER OF WELL

Bill Edmore
Address 4459 110th Ave R#4
Allegan Mich 49010

4 WELL DEPTH: (completed) Date of Completion

40 ft.

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 ☐ Height: Above/Surface 1 ft.

2" in. to 36 ft. Depth Weight 1 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Slotted S Dia.: 1 1/4
Slot/Gauze 10 Length 48"
Set between 36 ft. and 40 ft.

Fittings: 1 1/4" Coupling - 2" Check Valve

9 STATIC WATER LEVEL

13 ft. below land surface

10 PUMPING LEVEL below land surface

Machine Tested 12 g.p.m.
ft. after 12 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 S.E. Direction Septic Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☒ Not installed
Manufacturer's Name
Model Number HP Volts
Length of Drop Pipe ft. capacity G.P.M.
Type: ☐ Submersible ☐ Jet ☐ Reciprocating

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Top Sand		2'
Yellow clay	8'	10'
Clay and Boulders	15'	25'
Blue Clay	7'	32'
Water Sand Corse	9'	41'

RECEIVED
MICHIGAN DEPT. OF PUBLIC HEALTH

MAY 25 1983

For more info call
616-226-1111
Serving the community

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.

Huff Drillers 1284
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 322 S. Cedar St Allegan Mich
Signed Cloude Huff Date 10-30-82
AUTHORIZED REPRESENTATIVE

MAY 06 1983

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Allegan Township Name Cheshire Fraction S.W. 1/4 S.W. 1/4 E 1/4 Section Number 5 Town Number 1 Range Number 14 N.W.

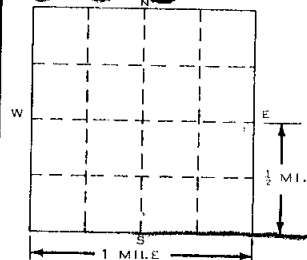
Distance And Direction from Road Intersections

1/2 Mile W 44th
150' N of 110th Ave

Street address & City of Well Location

Section with 5 in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Sand		14'
Hard Pans Boulders	14'	28'
Clay Yellow	6'	34'
Water Sand and Gravel	6'	40'

3 OWNER OF WELL:

Address

Laury Story
4495 110th Ave

4 WELL DEPTH: (completed) Date of Completion

39 ft.

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 ☐ Height: Above/Below
Diam. Surface 1 ft.
Weight 3.65 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: S.S. Dia.: 1 1/4"
Slot/Gauze 1/8 slot Length 4'
Set between 35 ft. and 39 ft.
Fittings: 1 1/2 coup - 12" set Length 2" Check

9 STATIC WATER LEVEL

7 ft. below land surface

10 PUMPING LEVEL below land surface

ft. after hrs. pumping g.p.m.
Mach tested 7 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 W Direction Septic System Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☒ Not installed

Manufacturer's Name
Model Number HP Volts
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

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.

Huff Drillers 1284
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 322 S. Cedar St Allegan
Signed Claude Huff Date 7-29-82
AUTHORIZED REPRESENTATIVE

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

5-1

1 LOCATION OF WELL

County Allegan Twp. Cheek Fraction SE 1/4 SE 1/4 SW 1/4 Section No. 5 Town 1 N N/S. Range 14 W E/W.

Distance And Direction from Road Intersections

OWNER No.

North side of 110th Ave 1/8 mi West of 44th St.
R#4 Allegan

Street address & City of Well Location

3 OWNER OF WELL:

Address Wesley Mc Ewen 922
227 166th St. Calumet City

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

red sand	14	14
blue clay & gravel	21	35
clay sand - gravel	11	46
sand & gravel	6	52
dirty sand	?	?

4 WELL DEPTH: (completed) Date of Completion

52 ft. 4-18-68

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. 2 in. to 49 ft. Depth
Height: Above/Below surface 2 1/2 ft.
Weight 35 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN: Johnson
Type: red head Dia.: 1 1/4
Slot/Gauze 20 mesh Length 3 1/2 ft.
Set between 49 ft. and 52 ft.
Fittings: 1 1/4 coupling & burner

9 STATIC WATER LEVEL
18 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 Good water

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
_____ feet _____ Direction _____ Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP: not insulating 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

REVISION 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.

Elmer Brindley
REGISTERED BUSINESS NAME

0353
REGISTRATION NO.

Address R#1 Gobles Mi 49055

Signed Elmer Brindley Date 4-24-68
AUTHORIZED REPRESENTATIVE

ACT 294 PA 1965

42

D67d - ADDITION 100M (Rev. 12-68)