

WATER WELL RECORD

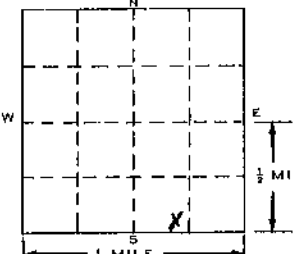
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL			SW*		
County <i>Isabella</i>	Twp. <i>Denver</i>	Fraction <i>SW 1/4 NW 1/4</i>	Section No. <i>7</i>	Town <i>15N 4 W</i>	Range <i>3</i>
Distance and Direction from Road Intersections <i>4502 Summerton Road</i>			OWNER No. _____		
Street address & City of Well Location			3 OWNER OF WELL: <i>Harvey Spickerman</i> Address		
2	FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) Date of Completion <i>248</i> ft. <i>10-29-66</i>	
	<i>Clay</i>	<i>70</i>	<i>70</i>	5 <input checked="" type="checkbox"/> Cable tool <input type="checkbox"/> Rotary <input checked="" type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> _____	
	<i>Sand stringers of Clay</i>	<i>10</i>	<i>80</i>	6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input type="checkbox"/> _____	
	<i>Clay</i>	<i>30</i>	<i>110</i>	7 CASING: Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Diam. <i>4</i> in. to _____ ft. Depth Height: Above/Below surface _____ ft. Weight _____ lbs./ft. Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/>	
	<i>Sand stringers in Clay</i>	<i>62</i>	<i>172</i>	8 SCREEN <i>ReBar</i> Type: <i>Johnson</i> Dia.: <i>4</i> Slot/Gauze <i>12</i> Length <i>5</i> Set between <i>243</i> ft. and <i>248</i> ft. Fittings: <i>3' 3" nipple + packer</i>	
	<i>Water sand stringer</i>	<i>23</i>	<i>195</i>	9 STATIC WATER LEVEL <i>30</i> ft. below land surface	
	<i>Clay</i>	<i>15</i>	<i>210</i>	10 PUMPING LEVEL below land surface <i>84</i> ft. after <i>12</i> hrs. pumping <i>1200</i> g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m.	
	<i>Quick Sand</i>	<i>20</i>	<i>230</i>	11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____	
	<i>Water sand fine</i>	<i>10</i>	<i>240</i>	12 WELL HEAD COMPLETION: <input type="checkbox"/> In Approved Pit <input checked="" type="checkbox"/> Pitless Adapter <input checked="" type="checkbox"/> 12" Above Grade	
	<i>Water sand Coarser</i>	<i>8</i>	<i>248</i>	13 GROUTING: Well Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Material: <input type="checkbox"/> Neat Cement <input type="checkbox"/> _____ Depth: From _____ ft. to _____ ft.	
				14 SANITARY: Nearest Source of possible contamination <i>75</i> feet <i>N</i> Direction <i>Septic</i> Type Well disinfected upon completion <input type="checkbox"/> Yes <input type="checkbox"/> No	
				15 PUMP: Manufacturer's Name <i>Rapidayton</i> Model Number <i>266</i> HP <i>1</i> Length of Drop Pipe <i>84</i> ft. capacity <i>1000</i> G.P.M. Type: <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> _____ <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating	
16 Remarks, elevation, source of data, etc. <i>*connection by RTS 12/14/66</i>			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. <i>Wendell G. Dilling</i> <i>0572</i> REGISTERED BUSINESS NAME REGISTRATION NO. Address <i>1st Pleasant Mich.</i> Signed <i>Francis Wad</i> Date <i>10-30-66</i> AUTHORIZED REPRESENTATIVE		

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH 7-1

1 LOCATION OF WELL																																
County <i>Isabella</i>	Township Name <i>Denmer</i>	Fraction <i>SE 1/4 SW 1/4 SE 1/4</i>	Section Number <i>7</i>	Town Number <i>15 N.B.</i>	Range Number <i>3 E/W.</i>																											
Distance And Direction from Road Intersections <i>1400' west of Stanton Rd. on Rosebush Rd. 50' off north side of road</i>						3 OWNER OF WELL <i>Joe B. Heat</i> Address <i>6657 E. Rosebush Rd. Rosebush, Mich.</i>																										
Street address & City of Well Location <i>6657 E. Rosebush Rd.</i>						4 WELL DEPTH: (completed) Date of Completion <i>206 ft. 6/25/70</i>																										
Locate with "X" in section below 						5 <input checked="" type="checkbox"/> Cable tool <input type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored																										
2 FORMATION						6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well																										
						7 CASING: Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Diam. <i>3</i> in. to <i>202</i> ft. Depth Height: Above/Below Surface <i>1</i> ft. Weight <i>7</i> lbs./ft. Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">FORMATION</th> <th style="width: 10%;">THICKNESS OF STRATUM</th> <th style="width: 10%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td><i>Clay</i></td> <td><i>45'</i></td> <td><i>45'</i></td> </tr> <tr> <td><i>Clay w/ sand + gravel stringers</i></td> <td><i>35'</i></td> <td><i>80'</i></td> </tr> <tr> <td><i>Clay</i></td> <td><i>20'</i></td> <td><i>100'</i></td> </tr> <tr> <td><i>Clay w/ sand stringers</i></td> <td><i>30'</i></td> <td><i>130'</i></td> </tr> <tr> <td><i>Clay</i></td> <td><i>72'</i></td> <td><i>202'</i></td> </tr> <tr> <td><i>Grey water sand</i></td> <td><i>4'</i></td> <td><i>206'</i></td> </tr> </tbody> </table>						FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	<i>Clay</i>	<i>45'</i>	<i>45'</i>	<i>Clay w/ sand + gravel stringers</i>	<i>35'</i>	<i>80'</i>	<i>Clay</i>	<i>20'</i>	<i>100'</i>	<i>Clay w/ sand stringers</i>	<i>30'</i>	<i>130'</i>	<i>Clay</i>	<i>72'</i>	<i>202'</i>	<i>Grey water sand</i>	<i>4'</i>	<i>206'</i>	8 SCREEN: Type: <i>SS. Johnson</i> Dia.: <i>2"</i> Slot/Screen <i>10</i> Length <i>4 1/2'</i> Set between <i>202</i> ft. and <i>206</i> ft. Fittings: <i>Kpacker - 4' set links</i>					
						FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																								
						<i>Clay</i>	<i>45'</i>	<i>45'</i>																								
						<i>Clay w/ sand + gravel stringers</i>	<i>35'</i>	<i>80'</i>																								
						<i>Clay</i>	<i>20'</i>	<i>100'</i>																								
						<i>Clay w/ sand stringers</i>	<i>30'</i>	<i>130'</i>																								
<i>Clay</i>	<i>72'</i>	<i>202'</i>																														
<i>Grey water sand</i>	<i>4'</i>	<i>206'</i>																														
						9 STATIC WATER LEVEL <i>12</i> ft. below land surface																										
						10 PUMPING LEVEL below land surface <i>50</i> ft. after <i>3</i> hrs. pumping <i>30</i> 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: <input type="checkbox"/> In Approved Pit <input checked="" type="checkbox"/> Pitless Adapter <input type="checkbox"/> 12" Above Grade																										
						13 Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite _____ Depth: From _____ ft. to _____ ft.																										
						14 Nearest Source of possible contamination <i>75</i> feet <i>NW</i> Direction <i>Septic</i> Type _____ Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																										
						15 PUMP: <input type="checkbox"/> Not installed Manufacturer's Name <i>Ride</i> Model Number <i>320X4P050</i> HP <i>1/2</i> Volts <i>110</i> Length of Drop Pipe <i>105</i> ft. capacity <i>78</i> G.P.M. Type: <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating																										
16 Remarks, elevation, source of data, etc. <i>EL 1753 TOPO.</i>						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. <i>Mead Well Drilling</i> <i>0572</i> REGISTERED BUSINESS NAME REGISTRATION NO. Address <i>Route 1 Mt. Pleasant, Mich</i> Signed <i>Francis Mead</i> Date <i>6/25/70</i> AUTHORIZED REPRESENTATIVE																										

DEC 0 2 1971

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

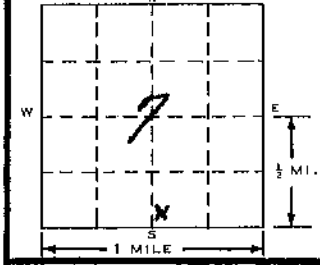
1 LOCATION OF WELL

County <i>Isabella</i>	Township Name <i>Denner</i>	Fraction <i>SW 1/4 SW 1/4 SE 1/4</i>	Section Number <i>7</i>	Town Number <i>15 N.W.</i>	Range Number <i>3 E/W.</i>
---------------------------	--------------------------------	---	----------------------------	-------------------------------	-------------------------------

Distance And Direction from Road Intersections
2600' west of Stanton Rd on Rosebush road. 70' north side of road

Street address & City of Well Location
6458 E. Rosebush Rd.

Locate with "X" in section below Sketch Map:



3 OWNER OF WELL:
Larry R. Uchika
Address *6458 E. Rosebush Rd
Rosebush, Mich*

4 WELL DEPTH: (completed) Date of Completion
200 ft. *10/6/71*

5 Cable tool Rotary Driven Dug
 Hollow rod Jotted Bored

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

7 CASING: Threaded Welded
Diam. _____ Height: Above/Below Surface *1* ft.
3 in. to *196* ft. Depth Weight *7.3* lbs./ft.
_____ in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<i>Clay</i>	<i>40'</i>	<i>40'</i>
<i>Clay w/sand stringer</i>	<i>30'</i>	<i>70'</i>
<i>Clay</i>	<i>20'</i>	<i>90'</i>
<i>sand & gravel w/clay</i>	<i>10'</i>	<i>100'</i>
<i>Clay</i>	<i>8'</i>	<i>108'</i>
<i>sand w/clay</i>	<i>7'</i>	<i>115'</i>
<i>Clay</i>	<i>70'</i>	<i>185'</i>
<i>Gravel</i>	<i>2'</i>	<i>187'</i>
<i>Clay</i>	<i>5'</i>	<i>192'</i>
<i>sand water</i>	<i>8'</i>	<i>200'</i>

8 SCREEN:
Type: *SS. Johnson* Dia.: *2"*
Slot/Gauge *12* Length *4'*
Set between *196* ft. and *200* ft.
Fittings: *K-packer at link*

9 STATIC WATER LEVEL
22 ft. below land surface

10 PUMPING LEVEL below land surface
30 ft. after *2* hrs. pumping *20* 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
50 feet *N* Direction *Sptic* Type
Well disinfected upon completion Yes No

15 PUMP: Not installed
Manufacturer's Name *Rapid Jet*
Model Number *782* HP *1/2* Volts *110*
Length of Drop Pipe *42* ft. capacity *4.2* G.P.M.
Type: Submersible
 Jet Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED TO J. 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.
Francis Mead *0572*
REGISTERED BUSINESS NAME REGISTRATION NO.
Address *Route 1 Mt. Pleasant, Mich 48858*
Signed *Francis Mead* Date *10/15/71*
AUTHORIZED REPRESENTATIVE

DEC 20 1972

WATER WELL RECORD
ACT 294 PA 1965

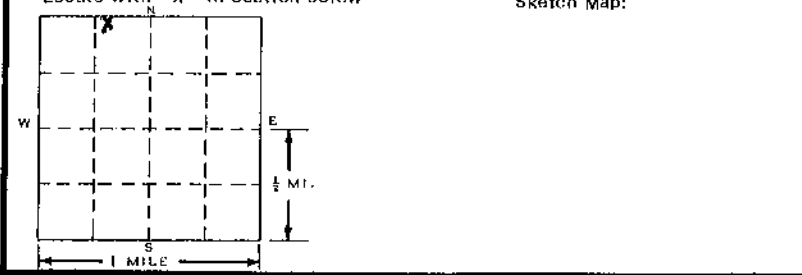
MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County <i>Isabella</i>	Township Name <i>Dennet</i>	Fraction <i>NW 1/4 NE 1/4 NW 1/4</i>	Section Number <i>7</i>	Town Number <i>15 N.B.</i>	Range Number <i>3 E/W.</i>
---------------------------	--------------------------------	---	----------------------------	-------------------------------	-------------------------------

Distance And Direction from Road Intersections
*1800' E Summerton Rd on Dennet Rd
120' off south side*

Street address & City of Well Location
4386 E Dennet Rd.



3 OWNER OF WELL
James E. McDonald
Address *6386 E. Dennet Rd*

4 WELL DEPTH: (completed) Date of Completion
240 ft. 9/30/72

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. _____ Height: Above/Below Surface *1* ft.
4 in. to *236* ft. Depth Weight *11.5* lbs./ft.
_____ in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<i>Clay</i>	<i>35'</i>	<i>35'</i>
<i>sand stringers in Clay</i>	<i>5'</i>	<i>40'</i>
<i>Clay</i>	<i>38'</i>	<i>78'</i>
<i>sand stringers in Clay</i>	<i>4'</i>	<i>82'</i>
<i>Clay</i>	<i>38'</i>	<i>120'</i>
<i>Clay w/ sand & gravel stringers</i>	<i>15'</i>	<i>135'</i>
<i>Clay</i>	<i>25'</i>	<i>160'</i>
<i>gypsum</i>	<i>5'</i>	<i>165'</i>
<i>Gravel</i>	<i>2'</i>	<i>167'</i>
<i>sandy Clay</i>	<i>3'</i>	<i>170'</i>
<i>muddy Clay</i>	<i>60'</i>	<i>230'</i>
<i>sand</i>	<i>10'</i>	<i>240'</i>

8 SCREEN:
Type: *SS Johnson* Dia.: *3 5/8*
Slot/Gauze *10* Length *4'*
Set between *236* ft. and *240* ft.
Fittings: *K packer sit link*

9 STATIC WATER LEVEL
30 ft. below land surface

10 PUMPING LEVEL below land surface
90 ft. after *3* hrs. pumping *25* 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

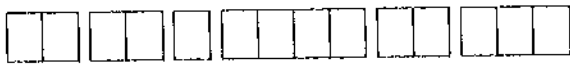
13 Well Grouted? Yes No
 Neat Cement Bentonite
Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination
60 feet *W* Direction *Septic* Type
Well disinfected upon completion Yes No

15 PUMP: Not installed
Manufacturer's Name *Rapidation*
Model Number *7P27* HP *3* Volts *220*
Length of Drop Pipe *105* ft. capacity *10* G.P.M.
Type: Submersible Jet Reciprocating

16 Remarks, elevation, source of data, etc.
ADDED INFO. BY DRILLER, *11/10/72*
CORRECTED BY: *M*
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.
Mead Well Drilling *0572*
REGISTERED BUSINESS NAME REGISTRATION NO.
Address *Route 1 Mt. Pleasant, Mich*
Signed *Thomas Mead* Date *9/30/72*
AUTHORIZED REPRESENTATIVE



JUL 15 1974

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

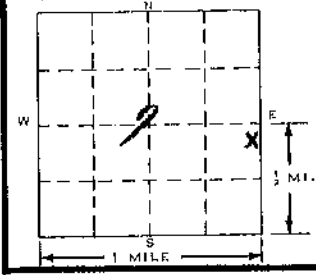
County <i>Isabella</i>	Township Name <i>Denver</i>	Fraction <i>NE 1/4 NE 1/4 SE 1/4</i>	Section Number <i>7</i>	Town Number <i>15 N/8</i>	Range Number <i>3 W.</i>
---------------------------	--------------------------------	---	----------------------------	------------------------------	-----------------------------

Distance and Direction from Road Intersections
2400' N Rosebush Rd on Linton Rd. 210' off west side of Rd.

Street address & City of Well Location
4491 N Linton Rd

Locate with "X" in section below

3 OWNER OF WELL:
Address
*Kenneth Christ
4491 N. Linton Rd
Rosebush, Mich 48828*



4 WELL DEPTH: (completed) *83* ft. Date of Completion *7/2/74*

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 Surface *1* ft.
Diam. *4* in. to *79* ft. Depth Weight *11.3* lbs./ft.
in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<i>sand</i>	<i>7'</i>	<i>7'</i>
<i>sand w/ clay</i>	<i>5'</i>	<i>12'</i>
<i>Clay</i>	<i>12'</i>	<i>24'</i>
<i>Clay w/ sand</i>	<i>16'</i>	<i>40'</i>
<i>Clay</i>	<i>34'</i>	<i>74'</i>
<i>sand w/ clay stringers</i>	<i>4'</i>	<i>78'</i>
<i>sand & gravel</i>	<i>5'</i>	<i>83'</i>

8 SCREEN
Type: *Johnson SS* Dia.: *3 5/8*
Slot/Grit *10* Length *4'*
Set between *79* ft. and *83* ft.
Fittings: *K packer set link*

9 STATIC WATER LEVEL
30 ft. below land surface

10 PUMPING LEVEL below land surface
45 ft. after *3* 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
 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 *E* Direction *septic* Type
Well disinfected upon completion Yes No

15 PUMP: Not installed
Manufacturer's Name *Goulds*
Model Number *13EM074* Volts *220*
Length of Drop Pipe *40* ft. capacity *7* G.P.M.
Type: Submersible Jot Reciprocating

16 Remarks, elevation, source of data, etc.

RODED DOWN TO BED OF ROCK
APPROX. 10' TO 12' TO BED OF ROCK
FINDING
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.
Mead Well Drilling *0592*
REGISTERED BUSINESS NAME REGISTRATION NO.
Address *Route 1 Mt Pleasant, Mich*
Signed *Francis Mead* Date *7/3/74*
AUTHORIZED REPRESENTATIVE

WATER WELL RECORD
ACT 294 PA 1965

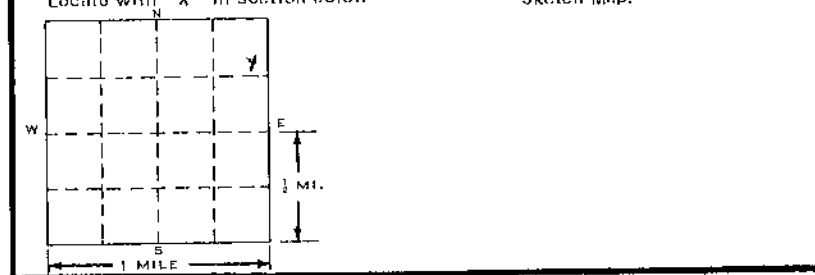
MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL NOV 04 1980

County <i>Osabella</i>	Township Name <i>Annua</i>	Fraction <i>SE 1/4 NE 1/4</i>	Section Number <i>7</i>	Town Number <i>15 N.S.</i>	Range Number <i>3 E/W.</i>
------------------------	----------------------------	-------------------------------	-------------------------	----------------------------	----------------------------

Distance And Direction from Road Intersections
1300' South of Annua Rd on Leaton Rd
200' off west side of Road

Street address & City of Well Location *4909 N. Leaton Rd*



3 OWNER OF WELL:
Name *Carl Kriener*
Address *4909 N. Leaton Rd*
Rosebush Mich 48878

4 WELL DEPTH: (completed) Date of Completion
155 ft. 10/2/80

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
Diam. _____ Hight: Above/Below
Surface _____ ft.
Wight _____ lbs./ft.
Drive Shoe? Yes No

2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<i>sand</i>	<i>8'</i>	<i>8'</i>
<i>Clay w/ sand stringers</i>	<i>14'</i>	<i>22'</i>
<i>Clay</i>	<i>50'</i>	<i>72'</i>
<i>Clay w/ sand stringers</i>	<i>10'</i>	<i>82'</i>
<i>Clay</i>	<i>38'</i>	<i>120'</i>
<i>sand & Clay</i>	<i>6'</i>	<i>128'</i>
<i>sand & gravel</i>	<i>3'</i>	<i>131'</i>
<i>Clay & sand</i>	<i>17'</i>	<i>148'</i>
<i>sand</i>	<i>7'</i>	<i>155'</i>

8 SCREEN: Type: *plastic* Dia.: *3 7/8"*
Slot/Gruze *10* Length *5'*
Set between *150* ft. and *155* ft.
Fittings: *K packer*

9 STATIC WATER LEVEL *38* ft. below land surface

10 PUMPING LEVEL below land surface
38 ft. after *1* 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
 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 *NE* Direction *Septic* Type
Well disinfected upon completion Yes No

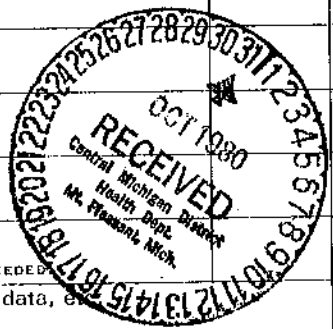
15 PUMP: Not installed
Manufacturer's Name *Goulds*
Model Number *10E50742* HP *3/4* Volts *230*
Length of Drop Pipe *80* ft. capacity *10* G.P.M.
Type: Submersible *plastic 1"*
 Jet Reciprocating

16 Remarks, elevation, source of data, etc.

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

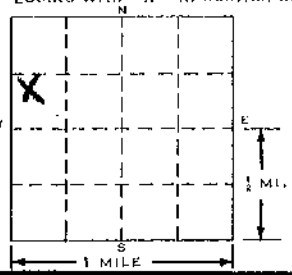
17 WATER WELL CONTRACTOR'S CERTIFICATION:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

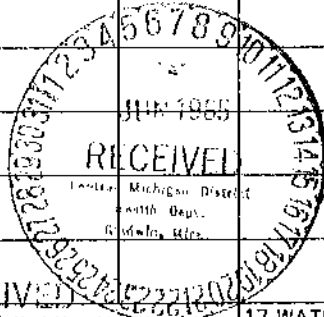
Mead Well Drilling *0572*
REGISTERED BUSINESS NAME REGISTRATION NO.
Address *1424 N. Mission Rd. Mt. Pleasant, Mich.*
Signed *Francis Mead* Date *10/11/80*
AUTHORIZED REPRESENTATIVE



WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

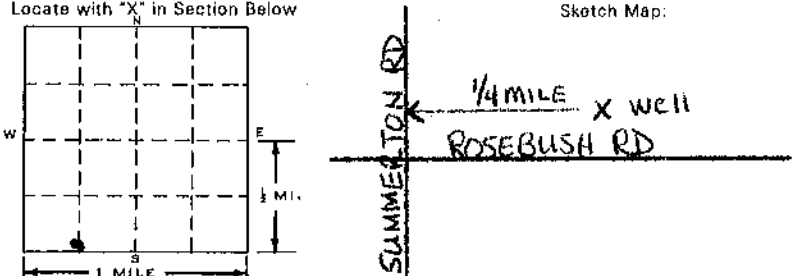
1 LOCATION OF WELL			
County ISABELLA	Township Name DENVEX	Fraction NE SE 1/4 NE	Section Number 7
Distance And Direction from Road Intersections 1/2 mile north of Rose Bush Rd on Summerton Rd		Range Number 15 N/S.	Section Number 3 E/W.
Street address & City of Well Location Summerton Rd		3 OWNER ALVIN SPECKLEMAN Address 4502 Summerton Rd Rose Bush Michigan 49878	
Locate with "X" in section below 		4 WELL DEPTH: (completed) Date of Completion 230 ft. 11/8/84	
2 FORMATION		5 <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/>	
		6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input type="checkbox"/>	
Clay loam top soil 3 3		7 CASING: Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Height: Above/Below Surface _____ ft.	
		2 in. to 220 ft. Depth Weight 3.75 lbs./ft. 1/4 in. to 230 ft. Depth Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Red Clay 18 21		8 SCREEN: Type: JOHNSON Dia.: 1 1/4 Slot/Gauze 10 Length 10 Set between 220 ft. and 230 ft. Fittings: K-PACKET & TALE PIPE	
Blue Clay 14 35		9 STATIC WATER LEVEL 8 ft. below land surface	
Gravel Clay mixed some water 2 37		10 PUMPING LEVEL below land surface 100 ft. after 2 hrs. pumping 20 g.p.m. 21 ft. after 1 hrs. pumping 20 g.p.m.	
Blue Clay 133 170		11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____ Other _____	
Sand, some water 18" 17 1/2		12 WELL HEAD COMPLETION: <input type="checkbox"/> In Approved Pit <input type="checkbox"/> Pitless Adapter <input checked="" type="checkbox"/> 12" Above Grade	
Blue Clay 48 220		13 Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Slurry Depth: From TOP ft. to 220 ft.	
Course sand water 10 230		14 Nearest Source of possible contamination 60 feet EAST Direction SEPTIC TANKS Type Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Bearing		15 PUMP: <input type="checkbox"/> Not installed Manufacturer's Name McDONALD Model Number 8210 HP 1 Volts 220 Length of Drop Pipe 21 ft. capacity 15 G.P.M. Type: <input type="checkbox"/> Submersible <input checked="" type="checkbox"/> Jet <input type="checkbox"/> Reciprocating	
USE A 2ND SHEET IF NEEDED		16 Remarks, elevation, source of data, etc. JUN 13 1985 Bureau of Environmental and Occupational Health - GWOS	
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. Raymond Well Drilling 0355 REGISTERED BUSINESS NAME REGISTRATION NO. Address 1995 N BARD Rd GLADWIN Signed Gerald Raymond Date 11/8/84 AUTHORIZED REPRESENTATIVE			



WATER WELL AND PUMP RECORD

--	--	--	--	--	--	--	--

PERMIT NUMBER

1 LOCATION OF WELL					
County Isabella	Township Name Denver	Fraction S 1/4 S 1/4 SE 1/4	Section Number 7	Town Number 15 N/S	Range Number 3 E/W
Distance And Direction From Road Intersection 1/4 mile east of Summerton Rd. on Rosebush Rd. On the north side of the road.			3 OWNER OF WELL: Jim Stinson Address 6325 Rosebush Rd., Rosebush, MI Address Same As Well Location? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Street Address & City of Well Location Locate with "X" in Section Below			4 WELL DEPTH: Date Completed 152 ft. 11 4 92 <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Replacement Well		
Sketch Map: 			5 CASING: Diameter <input type="checkbox"/> Steel <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Welded 5 in. to 144 ft. depth 8 in. to 152 ft. depth Gouted Drill Hole Diameter 8 in. to 152 ft. depth Height: Above/Below Surface 1 ft. Weight 500 lbs./ft. Drive Shoe <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
2 FORMATION DESCRIPTION			6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Type I Public <input type="checkbox"/> Type III Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Type IIa Public <input type="checkbox"/> Heat pump <input type="checkbox"/> Test Well <input type="checkbox"/> Type IIb Public <input type="checkbox"/>		
			7 CASING: Diameter <input type="checkbox"/> Steel <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Welded 5 in. to 144 ft. depth 8 in. to 152 ft. depth Gouted Drill Hole Diameter 8 in. to 152 ft. depth Height: Above/Below Surface 1 ft. Weight 500 lbs./ft. Drive Shoe <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			8 SCREEN: <input type="checkbox"/> Not Installed Type plastic Diameter 3" Slot/Gauze 012 Length 8' Set between 152 ft. and 144 ft. FITTINGS: <input checked="" type="checkbox"/> K-Packer <input type="checkbox"/> Lead Packer <input type="checkbox"/> Brammer Check <input checked="" type="checkbox"/> Blank above screen 2 ft. Other _____		
			9 STATIC WATER LEVEL: 11 ft. below land surface <input type="checkbox"/> Flow		
			10 PUMPING LEVEL: below land surface 140 ft. after 1 hrs. pumping at 71 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.		
			11 WELL HEAD COMPLETION: <input checked="" type="checkbox"/> Pitless adapter <input checked="" type="checkbox"/> 12" above grade <input type="checkbox"/> Basement offset <input type="checkbox"/> Approved pit		
			12 WELL GROUTED? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes From 5 to 25 ft. <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ No. of bags of cement 3 Additives Holeplug		
13 Nearest source of possible contamination Type septic tank Distance 53 ft. Direction west Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was old well plugged? <input type="checkbox"/> Yes <input type="checkbox"/> No					
14 PUMP: <input type="checkbox"/> Not Installed <input type="checkbox"/> Pump Installation Only Manufacturer's name Grundfos Model number 92191904 HP 1/2 Volts 220 Length of Drop Pipe 80 ft. capacity 10 G.P.M. TYPE: <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Jet PRESSURE TANK: Manufacturer's name Well-x-trol Model number 209 Capacity 9 Gallons					
15. Remarks, elevation, source of data, etc. RECEIVED Mich. Dept. of Public Health FEB 5 1993 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH			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. Gates & Son Water Well Drilling 2100 REGISTERED BUSINESS NAME REGISTRATION NO. Address 7338 E. Pickard, Mt. Pleasant, MI 48858 Signed Robert L. Gates Date 11-13-92 AUTHORIZED REPRESENTATIVE		
17. Rig Operator's Name: Bob Gates					

1 LOCATION OF WELL		
County ISabella	Township Name Denver	Fraction S.E. 1/4 S.W. 1/4 S.E. 1/4
Section Number 7		Range Number 15
Distance And Direction From Road Intersection from The Intersection of London Rd & Rosebush Rd approx 3/10 mi. W. & approx 65' N.		3 OWNER OF WELL: Nancy Balk 438-2203 Address: 6657 Rosebush Rd Rosebush Address Same As Well Location? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Street Address & City of Well Location 6657 Rosebush Rd		4 WELL DEPTH: 208 FT. Date Completed: 6/5/91 <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Replacement Well
Locate with "X" in Section Below		5 <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Auger <input type="checkbox"/> Jetted <input type="checkbox"/>
Sketch Map: 		6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Type I Public <input type="checkbox"/> Type III Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Type IIa Public <input type="checkbox"/> Heat pump <input type="checkbox"/> Test Well <input type="checkbox"/> Type IIb Public <input type="checkbox"/>
2 FORMATION DESCRIPTION		7 CASING: <input checked="" type="checkbox"/> Steel <input checked="" type="checkbox"/> Threaded <input type="checkbox"/> Plastic <input type="checkbox"/> Welded Diameter: 2 in. to 200 ft. depth Height: Above/Below Surface 1 ft. Weight 3.75 lbs./ft. Drive Shoe <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Clay Clay & Gravel Sand fine Clay & Gravel Sand fine Gravel	THICKNESS OF STRATUM 15 30 2 153 8	DEPTH TO BOTTOM OF STRATUM 15 45 47 200 208
		8 SCREEN: <input type="checkbox"/> Not installed Type Johnson Diameter 1 1/4 Slot/Grain 10 Length 5' Set between 2.03 ft and 208 ft. FITTINGS: <input checked="" type="checkbox"/> K-Packer <input type="checkbox"/> Load Packer <input type="checkbox"/> Bremer Check <input type="checkbox"/> Blank above screen 4 ft. Other _____
		9 STATIC WATER LEVEL: 30 ft. below land surface <input type="checkbox"/> Flow
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at 15 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.
		11 WELL HEAD COMPLETION: <input type="checkbox"/> Pitless adapter <input checked="" type="checkbox"/> 12" above grade <input type="checkbox"/> Basement offset <input type="checkbox"/> Approved pit
		12 WELL GROUTED? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes From 0 to 25 ft. <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ No. of bags of cement 4 Additives _____
		13 Nearest source of possible contamination Type old well Distance 15 ft. Direction W Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was old well plugged? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		14 PUMP: <input type="checkbox"/> Not installed <input type="checkbox"/> Pump Installation Only Manufacturer's name Tait Model number _____ IIP 3/4 Volts 230 Length of Drop Pipe 84 ft. capacity _____ G.P.M. TYPE: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet _____ PRESSURE TANK: Manufacturer's name well-x-tool Model number W-202 Capacity 60 Gallons
15. Remarks, elevation, source of data, etc. <div style="text-align: center;"> RECEIVED Mich. Dept. of Public Health FEB 19 1992 BUREAU OF ENVIRONMENTAL AND GEOSPATIAL HEALTH-GWDS </div>		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. _____ REGISTERED BUSINESS NAME: MALLEY D&G REGISTRATION NO. 1132 Address: 6077 Cornish Ave Signed: James Malley Date: 7-1-91 AUTHORIZED REPRESENTATIVE
17. Rig Operator's Name: Brad Malley		

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

TAX NO:

PERMIT NO:

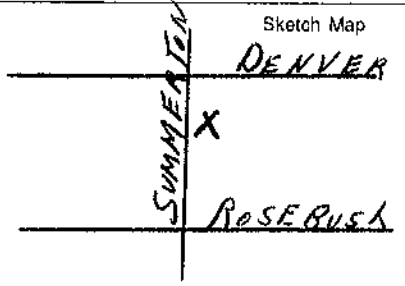
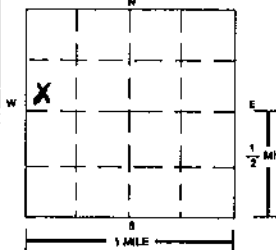
1. LOCATION OF WELL

County ISABELLA Township Name DENVER Fraction NW 1/4 SW 1/4 N 1/4 Section No. 7 Town No. T-15 Range No. R-3W

Distance and Direction from Road Intersection
Wells between Denver + Rosebush on Summerton

Street Address & City of Well Location

Locate with 'x' in Section Below



3. OWNER OF WELL

Address JUNE SPICKERMAN
4660 N. Summerton Rd
Rosebush MI 48878

4. WELL DEPTH: 194 ft. Date Completed: 8/23/95
 New Well
 Replacement Well

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

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

7. CASING: Steel Threaded Welded
 Plastic Other
 Height: Above/Below Surface: 1 ft

Diameter: 5 in. to 176 ft. depth
 Weight: Sch 21 lbs./ft.

BORE HOLE: Diameter: 8 in. to 194 ft. depth

8. SCREEN: Not Installed Gravel-Packed
 Type PLASTIC Diameter 4
 Slot/Gauze 010 Length: 20'
 Set Between 128 ft. and 194 ft.
 FITTINGS: K-Packer Bremer Check
 Blank Above Screen

9. STATIC WATER LEVEL: 35 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface
10 G.P.M.
 Plunger Bailer Air Test Pump

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

12. WELL GROUTED? No Yes From 5 to 40 ft.
 Neat Cement Bentonite Other
 No. of Bags 4 Additives

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

14. PUMP: Not Installed Pump Installation Only
 Manufacturer's Name STA-RITE
 Model Number 18SP4000T HP 3/4 Volts 230
 Length of Drop Pipe 180 ft. Capacity 10 G.P.M.
 TYPE: Submersible Jet Other
 PRESSURE TANK:
 Manufacturer's Name WM-9 UG WELL-MATE
 Model Number WM-9 Capacity 9 Gallons

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM DEPTH TO BOTTOM OF STRATUM

CLAY 176 176
2 178
SAND + GRAVEL 14 194

RECEIVED
 Mich. Dept. of Public Health
 JAN 16 1996
 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH SERVICES

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 _____

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.
Bates Well Drilling 0655
 REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____
 Address 208 E Blanchard Rd Shepherd MI 48883
 Signed Jean Bates Date 1-8-96
 AUTHORIZED REPRESENTATIVE

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: **06-007-10-002-01**

PERMIT NO: **8082**

1. LOCATION OF WELL
County **Isabella**

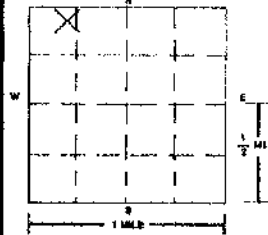
Township Name **Denver** Fraction **NE 1/4 NE 1/4 NW 4** Section No. **7** Town No. **15N** Range No. **3W**

Distance and Direction from Road Intersection:
0.3 miles east of Summerton Rd. 50' south off of Denver Rd.

6232 E Denver Rd. Rosebush, Mi. 48878
Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
sand	11	11
clay	75	86
clay-sand	9	95
clay	28	123
clay-sand	31	154
clay	71	225
sand	8	233
sand-clay	12	245
<p>RECEIVED MICH DEPT OF ENVIRONMENTAL QUALITY JAN 29 1999 Drinking water & sewerage division Ground Water Supply Section WELL CONSTRUCTION LINE</p>		

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.)

17. DRILLING MACHINE OPERATOR:
 Employee Subcontractor
Name **Delbert Mead**

3. OWNER OF WELL **Phillip Vogel**
Address **6232 E Denver Rd
Rosebush, Mi. 48878**
Address Same as Well Location Yes No

4. WELL DEPTH: **233** ft. Date Completed **12 / 29 / 98** New Well Replacement Well

5. Cable Tool Rotary Driven Dug
 Hollow Rod Auger/Bored 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 Other
Height: Above/Below Surface: **1** ft
Diameter: **4** in. to **227** ft. depth Weight: **10.78** lbs./ft.
BORE HOLE: Drive Shoe Shale Packer
Diameter: **4 1/2** in. to **233** ft. depth

8. SCREEN: Not Installed Gravel-Packed
Type **WOP plastic** Diameter **3**
Slot/Gauge **10** Length: **6'**
Set Between **227** ft. and **233** ft.
FITTINGS: K-Packer Bromer Check
 Blank Above Screen **2** ft. Other _____

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

10. PUMPING LEVEL: Below Land Surface
60 ft. After **4** hrs. Pumping at **20** 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 **0** to **210** ft.
 Neat Cement Bentonite Other _____
No. of Bags _____ Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type **fuel oil tank** Distance **56** ft. Direction **SE**
Type _____ Distance _____ ft. Direction _____

14. PUMP: Not Installed Pump Installation Only
Manufacturer's Name **Goulds**
Model Number **10GS07422** HP **3/4** Volts **230**
Length of Drop Pipe **60** ft. Capacity **10** G.P.M.
TYPE: Submersible Jet Other
PRESSURE TANK:
Manufacturer's Name **Well X-trol**
Model Number **WX 205** Capacity **10.5** Gallons **34**

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.

Mead Well Drilling **0572**
REGISTERED BUSINESS NAME REGISTRATION NO.
Address **1398 N. Mission Rd. Mt. Pleasant, MI.**

Signed *Delbert Mead* Date **12/30/98**
AUTHORIZED REPRESENTATIVE

IMPORTANT: File with deed.

1 LOCATION OF WELL

County: Isabella Township: Alpena Fraction: W¹/₂SW¹/₄NW¹/₄ Section Number: 7 Town Number: 15 N/S: N/S Range Number: 3 E/W: E/W

Distance And Direction From Road Intersection: ON Summerton East of Rosebush

Street Address & City of Well Location: _____

Locate with "X" in Section Below

Sketch Map:

3 OWNER OF WELL: Karen Spickerman
Address: 4494 N. Summerton Rosebush, MI 48878
Address Same As Well Location? Yes No

4 WELL DEPTH: 253 FT. Date Completed: 9 DAY 10 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 2 in. 285 ft. depth
 Steel Threaded Welded
 Plastic Height: Above/Below Surface 1 ft.
Weight _____ lbs./ft.
Drive Shoe Yes No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>Clay</u>	<u>110</u>	<u>110</u>
<u>Clay-gravel</u>	<u>5</u>	<u>115</u>
<u>Clay</u>	<u>113</u>	<u>228</u>
<u>Fine Sand-clay</u>	<u>10</u>	<u>238</u>
<u>Sand-gravel</u>	<u>15</u>	<u>253</u>

8 SCREEN: Not Installed
Type: plastic Diameter: 1 1/4
Slot/Gauze: .010 Length: 16
Set between 237 ft. and 253 ft.
FITTINGS: K-Packer Lead Packer Bremer Check
 Blank above screen 5 ft. Other _____

9 STATIC WATER LEVEL: 22 ft. below land surface Flow

10 PUMPING LEVEL: below land surface
60 ft. after 1/2 hrs. pumping at 15 G.P.M.
_____ ft. after _____ hrs. pumping at _____ G.P.M.

11 WELL HEAD COMPLETION: Bitless adapter 12" above grade
 Basement offset Approved pit

12 WELL GROUTED? No Yes From 5 to 40 ft.
 Neat cement Bentonite Other _____
No. of bags of cement 2 Additives _____

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

Pumping

<u>5 gal - 20' - 30 sec.</u>
<u>5 gal - 40' - 18 sec</u>
<u>5 gal - 60' - 14 sec</u>
<u>5 gal - 80' - 12 sec.</u>

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: Bush
Model number _____ HP 3/4 Volts 230
Length of Drop Pipe 42 ft. capacity _____ G.P.M.
TYPE: Submersible Jet
PRESSURE TANK: X-tool tank
Manufacturer's name _____
Model number #202 Capacity _____ Gallons

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

RECEIVED
Mich. Dept. of Public Health
MAR 2 1988
Bureau of Environmental and Occupational Health - GWQS

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.

Gates Well Drilling 01655
REGISTERED BUSINESS NAME REGISTRATION NO.
Address: 1228 O'Peckard Mt Pleasant
Signed: Joan Gates Date: 9/10/87
AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

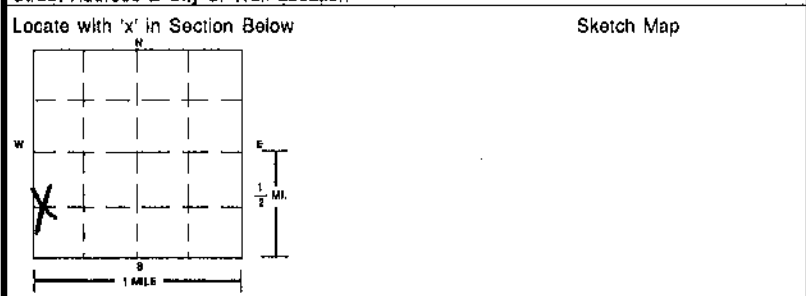
Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO: 06-007-30-001-00
1. LOCATION OF WELL
County Isabella Township Name Denver

PERMIT NO: 8539
Fraction SW 1/4 MURKINIA Section No. 7 Town No. 15N Range No. 3W

Distance and Direction from Road Intersection
**4302 N. Summerton
Rosebush, MI. 48878**
Street Address & City of Well Location

3. OWNER OF WELL
Address **Prout, Lillian
4302 N. Summerton
Rosebush, Mi. 48878**
Address Same as Well Location Yes No



4. WELL DEPTH: 270' ft. Date Completed 7/30/99
 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 _____ Height: Above/Below Surface: 1 ft.
Diameter: 5" in. to 252 ft. depth Weight: SDR21 lbs./ft.
BORE HOLE: Drive Shoe Shale Packer
Diameter: 8" in. to 270 ft. depth

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Brown Clay	11	11
Gray Clay Soft	70	81
Gray Clay & Rock's	68	149
Fine Sand & Clay	4	153
Gray Clay	97	250
Sand	10	260
Sand & Some Gravel	9	269
Gray Clay	1	270

8. SCREEN: Not Installed Gravel-Packed
Type Plastic Diameter 4"
Slot/Gauze 012 Length: 20'
Set Between 252 ft. and 270 ft.
FITTINGS: K-Packer Bremer Check
 Blank Above Screen 3' ft. Other _____

9. STATIC WATER LEVEL: 11 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface 250 ft. After 8 hrs. Pumping at 15 G.P.M.
 Plunger Bailor Air Test Pump

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

12. WELL GROUTED? No Yes From 0 to 245 ft.
 Neat Cement Bentonite Other _____
No. of Bags 203/4 Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
Type Septic Distance 65 ft. Direction SW
Type _____ Distance _____ ft. Direction _____

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

14. PUMP: Not Installed Pump Installation Only
Manufacturer's Name Red Jacket
Model Number RJBC05 HP 1/2 Volts 220
Length of Drop Pipe 140' ft. Capacity 10 G.P.M.
TYPE: Submersible Jet Other _____
PRESSURE TANK:
Manufacturer's Name Well Mate
Model Number WM9 Capacity 9 Gallons

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.
Gates Drilling & Service Inc. 2100
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 9854 E. Broomfield, Mt. Pleasant, MI
Signed Robert M. [Signature] Date 7/30/99
AUTHORIZED REPRESENTATIVE

RECEIVED
MICH DEPT OF ENVIRONMENTAL QUALITY
AUG 16 1999
Drinking Water & Radiological Protection Division
Geological Survey
WELL CONSTRUCTION UNIT

USE A 2ND SHEET IF NEEDED