#### MICHIGAN DEPARTMENT OF PUBLIC HEALTH

#### WATER WELL AND PUMP RECORD

	9	3	<b>-</b>	0	1	1	)	1
	<u> </u>		_'			==		

PF	RM	IΤ	NI.	IM	BER				

1 LOCATION OF WELL							
County	Township Name		Fraction		Section Number	Town Number	Range Number
Distance And Direction From Road In	SULVAN		S W/1/4	NW14 SK1/4	7	=2 M/s	3 E/W#
Distance And Direction From Road In	tersection ·	} ,	h I	3 OWNER OF	WELL: 11		
Distance And Direction From Road In  1/6 Mi North, of  350/ EAST of	CALLANAVAH	LAKE	ANd		C011	eval Ma	COLNUNT
1 1/2 MI NORTH OF	CHUMIN				(1 2 5 T	North	TA 180
1 2001 EAST of	1-004/ANU			Address	- 네 얼하기	ANGLA	21/2 VA
200 minus	110	′ A	0				, 1
Street Address & City of Well Locatio	~ 4355 L	ovela	nd	Address Sa	me As Well Locatio		
Locate with "X" in Section Below		etch Map:		4 WELL DEPTH	l: Date Complete	Maw Wel	ı
				20 PFT.	1713	New Wel	ant Well
	1 12						
	₹ 1						∐ Dug
				Hollow ro		Jetted	
w	Ý I X			6 USE: □ <mark>À</mark> Dom	estic Type I	Public 🔲	Type III Public
l x i i i i i i i i i i i i i i i i i i	3			Irriga		a Public 🔲	Heat pump .
	<u> </u>			Test		_	
	(a) CONTRACTOR AND		This case a second	7 CASING:			a (Polovy
3 1	CAVANA	14911	ARR	■ Diameter —	Steel Thread	,	
1 MILE				J / L4	Plastic Welder  The Welder		,
2 FORMATION DESC	CRIPTION	THICKNESS OF	DEPTH TO BOTTOM OF			Weight	Z/lbs./ft.
		STRATUM	STRATUM		ft. depth Hoje, Djameter		
I. A. a	A and A I		Sant 12	Zin. to	ft. depth	Drive Shoe	
Manuel & Gum	114 Dona Kala	151	73		ft. depth	1	□ No
- Man in a specific	The state of the s			8 SCREEN:		☑ Not in:	halleta
Interes IN 1.	, , ,	36	109			*1	statieu
- My la	4	S GARE SAN	1 4	Туре		Diamoter	
- 4 (7 A) (	[]	17 Ed	180	Slot/Gauze _		Length	
dunie Kark	<u> </u>	19	138	Set between	ft	. and	ft.
	1 701		. ,	FITTINGS:	K-Packer	Lead Packer 🔲 E	remer Check
Blue AVDAJA	la (Kark	18	204		ove screen		
for the state of the state of	Grant Committee			9 STATIC WATE		- 1179	
						aurfana	Flow
				10 PHARMONG I	ft. below land EVEL: below land su		1107
				IO COMILINA P	. VLL. Delow land Su	nique	
					ft. after hrs.	pumping at	_ G.P.M.
					ft. after hrs.	pumping at	_ G.P.M.
				11 WELL HEAD	Pitless ad	apter 12" a	bove grade
				COMPLETION	N: Basemeni		i
				12 WELL GROU			
					- · ∐ No ∣	Yes From	10 _ 1 ft.
				Neat cer	ment 🔀 Bento	nite Other_	
				_	- 1		
1				No. of bags		Additives	
•				13 Nearest sour	ce of possible conta	mination	-
				Type	b Distan	iceft. Direc	ction
				Well disinfects	d upon completion?	Yes N	
				Was old well p	-	Yes N	,
				14 PUMP:			
				131000.	☐ Not Installed	☐ Pump Inst	allation Only
				Manufacture	r's name <u>Did</u>	r KS	
	L. Francisco			Model numb	er	HP	olts J.J.J.
				Length of Dr		ft. capacity/	Ø G.P.M.
	NET 2 - 190	,		PRESSURE T	Submersible	Jet	
	10 1 Sec. 3 182 18	<del>}</del>		Manufacture		11 MALE	
USE A 2ND SHEET IF	-Virsa s				1-1-1-1	/.	10
		S. AT TH	40	Model numb		Capacity	Gallons
15. Remarks, elevation, source of	f data, etc.				ACTOR'S CERTIFI		
				II was drilled unde est of my knowled	er my jurisdiction and dge and belief.	u inis report is true	
			, 1		11	14	191111
	NOV 1	1993	6. Vi 1	Arliew	ALKUIN	W.J.	1944
17 Dia Operator's Name:		1000		REGISTERED BUSIN	IES NAME	REGISTRATIO	r 797
17. Rig Operator's Name:			Address Address	774	E TEN MY G	11/2 4/	VIX
	BUREAU OF ENVI	RUNMENT	IL MEN	What the	Men UKEN	12 Date 3	111493
2014 0/00	DCCHPATIONAL	HEALTH-E	WUD Igned	AUTHORI	ZED REPRESENTATIVE	Uate	- A Company

167d 2/89

ORIZED REPRESENTATIVE
Authority:
Completion:
Penalty:

Act 368 PA 1978
Required
Conviction of a violation
of any provision is a
misdemeanor.

GEOLOGICAL SURVEY SAMPLE NO.		
<b>OCT 6 1977</b>	WATER WELL RE	
1 LOCATION OF WELL	ACT 294 PA 19	OF PUBLIC HEALTH
County Township Name	Fraction	
Distance And Direction Trom Road Intersections	in SEVS	3 OWNER OF WELLY
15695 (dvanaugh I	to Kell	William Knewnort
810	2.0	Address Closer Inel
Street address & City of Well Location Locate with "X" in section below Sk	la Mul	4 WELL DEPTH; (completed) Date of Completion
	and the property of the proper	59 11. 5-10-77
		5 Cable tool Rotary Driven Dug
W		Hollow rod Jetted Bored 5 USE: Domestic Public Supply Industry
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	Sustain   Public Supply   Industry   Industry
		Test Well
1 MILE		7 CASING: Threaded Welded Height: Above/Below Surfaceft.
	THICKNESS DEPTH TO	1 4 in to 54 to Donth   Weight // lbs./ft.
2 FORMATION	OF BOTTOM OF STRATUM	in, toft, Depth   Drive Shoe? Yes No
Some	59 59	Type: WW Stam Dia: 4" non
	9, 0,	Slot/Gasse / O Longth 5
		Set botween 54 ft. and 54 ft.
		Fittings: Parker 4 plug
		9 STATIC WATER LEVEL
		32 ft. below land surface
		10 PUMPING LEVEL below land surface  39 ft. after 2 hrs. pumping 2 g.p.m.
The state of the s		ft, afterbrs. pumping g.p.m.  11 WATER QUALITY in Parts Per Million;
		Iron (Fe) Chlorides (Cl)
· :		Hardness Other  12 WELL HEAD COMPLETION: In Approved Pit
s.c.		M Pitless Adapter 12" Above Grade
		13 Well Groutod? Yes No
		Neat Cement Bentonite
		Depth: From ft. to ft.  14 Nearest Source of possible contamination
		100 feet St Direction Danie Systeme
		Well disinfected upon completion Yes No V
		Manufacturer's Name Leve
		Model Number 109 PO 57 HP 3 Volts 220
		Length of Drop Pipe 48 ft. capacity 2 G.P.M.
		Type: Submersible    Jet   Reciprocating
USE A 2ND SHEET IF NEEDED  16 Remarks, elevation, source of data, etc.	17 WATER	WELL CONTRACTOR'S CERTIFICATION:
and the state of t	This we	Il was drilled inder my jurish drien and this report is true
	REG	aley Williams on 529
Sy 6-77	Address	(2) 1/1/2
	Address	
	Signed	AUTHORIZED REPRESENTATIVE Date 8-19-33
D67d 100M (Rev. 12-68)		The state of the s

## MICHIGAN DEPARTMENT OF PUBLIC HEALTH

## WATER WELL AND PUMP RECORD

Sy	33	86	
DEC	M TILES	HMRER	

1 LOCATION OF WELL	1								
County AShTENAW	Township Name Y L U A	1N	Fraction SE 1/4/	VENSEN	Section Number	Town Number	Range Number		
Distance And Direction From Road In		NI	26 40	3 OWNER OF		ASF 77	ann hotel		
	Thelse	ra, H	HAMAC JOGA	Address	108	Della	nd.,		
Street Address & City of Well Location		/	101	A MELL DED	ame As Well Location	Date of Comple	AJ NO		
Locate with "X" in Section Below	į.	Sketch Map:	h Rd	5 Cable to	ft.	Driven	Dug		
W			6 USE: Domestic Type   Public Type  II Public Heat pump						
5 S S S S S S S S S S S S S S S S S S S	NAUGH	LC KE	7 CASING: Steel Threaded Height: Above/Bellow						
2 FORMATION DESC	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	in. t	to 23 ft. depth to ft. depth ill Hole Diameter	Weight 52	De lbs./ft.			
SANd	25	25	1	to ft. depth		No No			
SAND Y GRAU	ieL	68	93		-8	Diameter	nstalled / Norm		
				Slot/Gauze Set betwee	n 87ft		_ ft.		
				Blank &		tead Packer	Bremer Check		
				9 STATIC WA	ft. below land		Flow		
				1	LEVEL: below land su ft. afterhrs.		G.P.M.		
				1	_ ft. after hrs.				
				11 WELL HEA COMPLETION	ON: Basemen	t offset App	abave grade proved pit		
				12 WELL GRO	No CX	Yes From	0 to 30 ft.		
					of cement	Additives			
					urce of possible control		ection 5 W		
					cted upon completion	/ I	No		
	C.C.			14 PUMP:	Not installed	L Pump In	stallation Only		
				Model num	ber	ft. capacity	Volts 220		
	<i>y</i>			Length of ( TYPE: PRESSURE	Submersible	Jet	<del></del>		
				Manufactur  Model num	rer's name	Capacity	Gallons.		
use a 2ND SHEET II			16. WATE		RACTOR'S CERTIF		30,1010		
1b. Hemarks, elevation, source of	T data, etc.		This we	ell was drilled un	ider my jurisdiction ar ledge and belief	d this report is true	: ?1-0524		
	**		Addres	REGISTERED BUT	STATES NAME MI	4873	ilon no.		
D67d 2/84			Signed	AUTHO	a. Clark RIZED REPRESENTATIVE		4-13-87		

Authority: Completion: Penalty: Act 388 PA 1978
Required
Conviction of a violation
of any provision is a
misdemeanor.

15535 CAVANAUGH LAKE

GEOLOGICAL SURVEY NO.

## MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

93	0		153
PERI	ATT NO	JMBER	1

1 LOCATION OF WELL									PERMIT NUMBER	
County	Township N	ame	Fraction				Section Number	Town Number	1	
WASHTENAW	SYLVAN		SE 1/4			SW %	7	2 S	3 E	
Distance And Direction From  15535 CAVANAUGH LAKE		tion			3	OWNER Addre	4736	S GAVOREK WEST LANE ST ORN, MI 5812		
CHELSEA, MI 481 Street Address & City of We	ll Location						ss Same As Well Lo	cation? NO		
Locate with "X" in Section (	_	Sketch Map Loveland R	1		4 WELL DEPTH: Date Completed  86 FT. 03/25/94 NEW WELL					
	بنا ا	7-00 E171FF ( K.) -		-	5 [	RILLI	NG METHOD:	TARY		
w	E	Cavanaugl	LE R		δ ι	JSE:	DO	MESTIC		
	% MJ.	(E)	32			ASING	PLASTIC		Height:	
(X) S	L) at	Notlen Pd	Mushode				ter 5 " to 76 ter " to	i	Surface	
«»	Lor	ngītude:	`			G	routed Drill Hole	- 1	Weight SDR 17	
2 FORMATION DESCRIPTI	ION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	- 1			9 " to <u>60</u> " to	ft. depth	Drive Shoe: NO	
BROWN SAND		36	36		8 9	CREEN		D i ea	eter 5 " Nominal	
BROWN & GRAY CLAY 17			53		Type <u>PVC</u> Diameter <u>5</u> "					
FINE BROWN SAND 33			86		Set Between <u>76</u> ft. and <u>86</u>					
FIRE BRUWN SAND 33				[			GS:	Blank abov	e screen ft.	
			·			40	WATER LEVEL ft. below land su		Flow: NO	
					10		NG LEVEL: below to		45 4 5 14	
							ft. after 1 hrs.			
For all the				+	11		ft. after hrs.	puliprity at	u.r.n.	
				$\dashv$	PITLESS ADAPTOR 12 WELL GROUTED? YES					
6 9 8 E			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			BEN-SI	EAL From 0 to			
				_			bags of cement. A			
No. of the second secon				$\neg$	1.7		e <u>SEPTIC</u> Distar		t Direction SU	
						Wel	l disinfected upon	completion?		
				_	14	Was PUMP:	ald well plugged?	N/A	** *	
(3) (2) (2)					•	Manu Mode Leng	facturers name <u>REI</u> l number <u>75SEW[-12]</u> th of Drop Pipe <u>6</u>	BC HP 3		
MS40993 0196331 3/25/94 PS40993 0196331 WELLS AWC 5-1	1" PV	/C				PRES:	SUBMERSIBLE SURE TANK: facturers Name AMTI		albu o o o o o o o o o o o o o o o o o o o	
15. Remarks, elevation, sou	rce of data, e	etc.	Th	is w	ell	NTRAC was d	l Number <u>WX203</u> TOR'S CERTIFICATION rilled under my jun t of my knowledge m	i: risdiction a	city 9.9 Galions  nd this report is	
7. Rig Operator's Name:				Cri	bley	Dril	t or my knowledge t ling Co., inc. BUSINESS NAME	8	1-0524	
•	DAVID KNOPE		AA	ع» dres			business name O Døxter Chelsea Re		ISTRATION NO.	
67d 2/89 CDCW11104P	913903 03/25/96	s R 6	•	1		W.	ORIZED REPRESENTATI	, 10,	Date 4.30.9	
IMPORTANT: File with	deed.		MAY 6	3 19	94	1	Authority Completic Penalty:	on: Require	PA 1978 d ion of.a violation	
	namentalistica sodržejavjima timo mit čirom		much (	, 10	J T		. 31141471	nisdeme	ion of a violation provision is a mor.	

ENVIRONMENTAL HEALTH

A1000 1 100

Manufacturar's nama 1524 K.P.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION WATER WELL AND PUMP RECORD PERMIT NO: TAX NO: 1 -06-07-400-015 Completion is required under authority of Part 127 Act 368 PA 1978 98-08000 Failure to comply is a misdemeanor LOCATION OF WELL County Washtenaw Town No. Range No. Township Name Fraction 3 vlvan 1/4 S 21/4 ST0/4 Distance and Direction from Road Intersection 3. OWNER OF WELL Chizek Ruilders West of Muschback Address Mile Scio Church 5135 Rd. Ann Arbor, Mi. 48103 Cavanaugh Lake Street Address & City of Well Location 15771 Cavanaugh Lake Rd Address Same as Well Location Yes No New Well
Replacement Well Locate with 'x' in Section Below 4. WELL DEPTH: Date Completed 70 4 / 10/ 99 5. Cable Tool ☐ Dua X Rotary Drivers Hollow Rod Jetted Auger/Bored 6. USE: Albusehold Type I Public Type III Public Irrigation Type IIa Public Heat Pump Test Well Type Ilb Public 7. CASING: Steel Threaded Height: Above/Below. y Plastic Welded Surface: 1 ft THICKNESS DEPTH TO BOTTOM OF STRATUM FORMATION DESCRIPTION OF STRATUM Diameter: 5\_\_\_in. to 70\_ft. depth Weight: \_\_in. to \_\_\_ft. depth 48 Brown Sand and Gravel 48 BORE HOLE: Drive Shoe Diameter: 8 in. to 110t. depth Shale Packer 60 Clay Gray in. to \_\_\_\_ft. depth 10 70 Gray Sand OFine) 8. SCREEN: Not Installed Gravel-Packed Type PVC-Slotted Diameter\_ 110 Clay Slot/Gauze\_ 10\_\_\_\_ Set Between \_60 FITTINGS: Bremer Check Blank Above Screen APR 3 0 1999 9. STATIC WATER LEVEL: 30\_ft. Below Land Surface Flowing 10. PUMPING LEVEL: Below Land Surface · 35 ft. After 2 hrs. Pumping at Air Plunger Bailer piko Codes + Wayne O'Bren. 11. WELL HEAD COMPLETION: Pitless Adapter 12" Above Grade
Well House Basement Offset ☐ No tv Yes 12. WELL GROUTED? From () Neat Cement Bentonite Other No. of Bags 12 Additives 13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type Septic Distance 100 ft. Direction Nest Distance \_\_\_\_\_ft Direction\_ USE A 2ND SHEET IF NEEDED Pump Installation Only Not Installed 14. PUMP: ABA SONED WELL PLUGGED? Yes No Manufacturer's Name IVIVERS Depth\_\_\_\_ft. Model Number 2NFT,52-12 HP Volts 230 Length of Drop Pipe 60 ft. Capacity 12 G.P. M. TYPE: Submersible Jet Other PLUGGING MATERIAL: Neat Cement Bentonite Slurry Concrete Grout Bentonite Chips Cement/Bentonite Slurry Yes No Casing Removed? No. of Bags\_\_ PRESSURE TANK: Manufacturer's Name 16. REMARKS: (Elevation, Source of Data, etc.) Model Number Pad 36 Capacit 36 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. 17. DRILLING MACHINE OPERATOR: O\*Brien Well Drilling Employee Subcontractor Mile., Northville, Mi. Name Wark O'Brien

GEOLOGICAL SURVEY COPY

TAX NO:	MICHIGAN DEP						PERMITN	0:	
	WATER WE	LL AN	וט רטו	MY I	HEC	OHD	1-	7 65	
1. LOCATION OF WELL County 1	Township Name		Fraction			Section No.	Town	No.	Range No.
JACKSON	G-KASSLAKE		5 81/45	W14	521/4	13	1 2-		2-8
Distance and Direction from Road Into    Man: 12	ersection CIEANLAKE RD		:	3. C	WNER O	FWELL W. J.	DAULT		
1/4 Mile 5, OF	HARVEYED						VEY RI		,
Street Address & City of Well Location	on			Α	ddress S	ame as Well Loc	ation 🔀 Y	es N	0
Locate with 'x' in Section Below		etch Map		4. V	VELL DEF	TH: Date	Completed	New '	Well cement Well
					Cable Hallow	Tool 🚉	Rotary Auger/Bored	Driven	
	HAFUEY	RD		6. L		Household 1 Irrigation 1 Test Well 1	ype IIa Public		Pump
	ł	✓		7. C	CASING:	Steel 1			bove/Below ///ft
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTHTO BOTTOM OF STRATUM		Diameter:	Otherin. to _			
SAID & GRAVEL		4	<u> </u>		ROBË HO	in. to_	ft. depth	Drive	Shoe
GRAVEL		32	36	[	Diameter:	$\frac{78}{\sqrt{7/9}}$ in to		Shale	Packer
BROWN SAND (1/2	18	30	66	8. 8	SCREEN:	Not Installe		vel-Packed	
GREY CLAY		14	80	1	Гуре			Diameter	
CLAVIL		33	1/3			en		id .eng.m:	ft.
GERYCLAY		17	130	7 (	FITTINGS		ker 🔲 Bre	mer Check	
GRCY SANDRO	ck	30	160	9.		WATER LEVEL: 3_ft. Below Lan	d Surlace	☐ Flowid	ng
BROWNLINE		/	167	10.	PUMPING	G LEVEL: Below	Land Surface		
GREY SANDROL	K	-8	175			5 ft. Aiter	hrs. Pu	mping at	35 G.P.M. Test Pump
C. See 1 U.S. U.S. U.S. U.S. U.S. U.S. U.S.	CKSCI	V 200			Pitles	EAD COMPLETIO s Adapter ment Offset	Z≪	2" Above G Vell House	rade
	13/ALG					OUTED?	No Yes Sentonite	Other	
	MAY 3"	4.0	- [ ]		No. of Ba			Juit C	
	1	77	/		NEARES Type Type	T SOURCE OF P	DSSIBLE CON listance <u>5</u> C listance	TAMINATION TELEPORTE TELEP	ction
USE A 2ND SHEE	T IF NEEDED		<u> </u>		PUMP:	☐ Not Installe		ump install	
15. ABANDONED WELL PLUGGED Casing Diameteri	n. Depth	Bentonite	Chieni		Manufact	urer's Name Co umber / 0 L S 0 f Drop Pipe	1100		
PLUGGING MATERIAL:  Cement/Bentonite Sturry No. of Bags	☐ Neat Cement ☐ Concrete Grout ☐ Casing Removed? ☐	Bentanite Yes	Chips		TYPE:	f Drop Pipe	T(. ( e ☐Jet	Other_	, <u>, , , , , , , , , , , , , , , , , , </u>
18. REMARKS: (Elevation, Source					Manufact	urer's Name Lu umber Lupa L	4/1/4/1A	Tc pacity_2	OGallons 6
		This we	WELL CON Il was drilled dge and bell	TRACT	OR'S CE	RTIFICATION: sdiction and this			
17. DRILLING MACHINE OPERAT  ☑ Employee ☐ Subcontra	etor	REGISTER	AP LE L	100	Hbue	N UELL	Killing	REGIS	T C/L/
441	NDEN	Address	546	F-E	RSEL,	ng que	ACI	<u> </u>	M. AM
GW-2-228 9/93		Signed_	CH JULI	RIZED RI	EPRESENTA	ITIVE STATE	Da	ite_ 3	1-41

ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

M

1 LOCATION OF WELL						PUBLIC	HEALTH
County Jackson	Twp. Grass Lak	:0	Fraction NE 454	** 245W4	Section No.	Town 2-4 NES.	Range . 2 E/%
Distance And Direction from Roge On NW CORNOR OF & Interstate-94 Street address & City of Well Lac	inter. of Con 4450 Clear I Grass Lake	am Lek ekeRd	e Pd	3 OWNER	Aus: 4450	tin Arts O Clear L ss Lake R	ake Rd
2 FORMAT		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL C	EPTH: (complete	ed) Date of Co	majetion
Clay & Sand		80	80		14 100	Rotary D	riven L∐Dug
Sand-fine		25	.105	6 USE:	Domestic 🗌	Public Supply	
Clay & Gravel		16	121		Test Well	Welded Heigh	
Line rock	: '	14	135	4 in.	. <b>122</b> . i	Depth surfac	e1_ft.
Shale-blue		25	160	8 SCREEN			Shoe? Yes No
Sand rock water	bearing	5	165			D{a,:	
						Length_	
				Fittings			
					WATER LEVEL		
				10 PUMPIN	G LEVEL below	land syrface	
							16 g.p.m.
				<u> </u>		hrs, pumping rts Per Million:	
				1		Chlorides (CI)	
					5		
				1 _	Pitless Adapte	ION: In Appro	
N. J.				13 GROUTI	NG: uted? Yes		
				1	: Neat Ceme		
				14 SANITA	RY:		
				Negrest 69		le contamination irection Sept	tie_Type
				Well dia	infected upon car	mpletion Yes	
					turer's Name		
				Model No Length o		ft, capacity	•
					Submersible	Reciproce	uting .
16 Remarks, alevation, source of	data, etc.	1	1	WELL CONT	RACTOR'S CER		
ADDED INFO. BY DRILLER, ITEM N			to the be	st of my kno	wledge and belie	if	3.05
CORRECTED BY				D4- "	IOP & SOY		EGISTRÁTION NO.
◆•ADDITION EM	0		Address. Signed	Desta AUTHORIZED	las Brei	Date S	2/23/67

EFR 8 19

D67D

100M

6-66

3730 NOTTEN

GEOLOGICAL SURVEY NO.

#### MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

	W	$\neg$	326	3
PERM	III	MLIME	ER	

1 LOCATION OF WELL								I NUMBI	GK	
County	Township Name	Fraction		1	Section Number	Town Numbe	÷F	Range I	Number	
JACKSON	GRASS LAKE	SE 1/4	SE ¼ NE	1	13	2 5		2	E	
Distance And Direction From R	oad Intersection		3 OW	NER O		NCE DAULT				
3730 NOTTEN			Ad	Idress	3748	NOTTEN				
GRASS LAKE 49240	)		"	-, •••	GRASS	LAKE, MI	49240	•		
Street Address & City of Well	Location	*****		Address Same As Well Location? NO						
Locate with "X" in Section Be	low Sketch Mar	)	4 WELL DEPTR: Date Completed REPLACEMENT WELL						T WELL	
	CAVANAUGH LI	K. RD.		75 FT. 05/15/97 REPLACEMENT WE 5 DRILLING METHOD:						
			ואט פן	LLING		TARY				
			6 USE	:						
W	OTTEN			ĐOI	MESTIC					
	PD.	7 CAS	ING:	PLASTIC		Heir	ht: ABG	OVE		
	MI. & NOTTEN		l ni	amete		ft. denth		•		
	- Latitude: LAKE		Di	amete	r <u>5 _ "</u> to <u>65</u>	ft. depth	Surf	face	31	
«»	Long i tude:			Gro	uted Drill Hole	Diameter	Weig	ght <u>SDI</u>	R 21	
B	THICKNESS	DEPTH TO	1		9 " to <u>60</u> " to	ft. depth	Driv	/e Shoe	: NO	
2 FORMATION DESCRIPTIO	IN OF Stratum	BOTTOM OF STRATUM			" to	rr. deptn				
GRAVEL	14	8 SCR	EEN:	7 DIIO	<b>5</b> :		<i>e</i>			
	70	-		Type PVC				- 1		
SAND FINE	75	_			L een <u>65</u> f					
					300 Deta					
Control Co						BIGIN GDOY	76 361			
					ATER LEVEL t. below land su	rface	FLow:	. NO		
					LEVEL: below t					
Gian Cali			8 ft. after _2 hrs. pumping at _12 G.P.M.							
GW C COM	ISCH COL		ft. after hrs. pumping at G.P.M.							
	C CONTRACTOR		11 WELL HEAD COMPLETION:							
Ci.: m	V/01 11 1 1 2		PITLESS ADAPTOR							
			12 WELL GROUTED? YES							
	JUN 1 3 1997		_ BE	N-SEA	L From 0 t gs of cement. A	o <u>60</u> ft. dditives				
GROUTED OLD 2" X 21' WELL		1			source of conta					
WITH 3/4 BAG HOLE PLUG	TA:				SEPTIC Dista		ft D	irecti	on N	
	HEA TH DEAT		-1	Well	disinfected upon	completion?	YES	ذ		
	YEALTH !			was o	id well plugged?	168				
			М	lanufa	cturers name <u>RE</u>	D JACKET				
			м	1ode l	number 50sEsWo-9	SBC HP 1	<del></del>	VOLTS		
MS31296 772009 5/21/97			T	уре	of Drop Pipe 2	j it. capaci	. Ly <u>14</u>	u.r	.17.	
PS51296 772009			1		RE TANK: cturers Name AMT	ROI (OUNERS)	,			
110000	ıı PVC		М	iodel l	Number WX 202	Сара		6.2	Gallons	
15. Remarks, elevation, sour	rce of data, etc.				R'S CERTIFICATIO (led under my ju		and th	nis rep	ort is	
700 #SAND					of my knowledge			<b>I-</b>		
17. Rig Operator's Name:					ng Co., Inc.		31-052			
- '	CURT WING				SINESS NAME			ATION NI Razo	<b>.</b>	
		] Add	Address 8300 Dexter Chelses Rd. Dexter; MI 48130						12210-	
D67d 2/89 CDCW13055P1	16635 03/12/99	Sig	ned	UTHUE	IZED REPRESENTAT	TVF	Dat	:e <u></u> <u> </u>	140/7/	
			j/h	MOILLOK		y: Act 368	R PA 1	1978		

IMPORTANT: File with deed.

Completion: Required
Penalty: Conviction of a violation misdemember.

MICHIGAN [	DEPARTM	MENT OF	PUBLIC HEALTH
1	VELL A	ND PL	JMP RECORD PERMIT NUMBER
1 LOCATION OF WELL			
JACKSON GRASS LA	Ke	Fraction 1/4	Section Number Town Member Range Comber  1/4 1/4 3 N/S EW
Street Address & City of Well Location  Locate with "X" in Section Below Ske	Ich Map:	De	Addross 13800 Boline Rd  CKASS LARE III, 49040  Addross Same As Well Location? Yos No  4 WELL DEPTH: Date Completed  MO. DAY   VEAR   New Woll
W	Ya fin	FRMC15CO	FT.   Replacement Well  5
2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	in toft. depthin toft. depthin toft. depthin. toft. depthin toft. Drive Shoe Yesin toin to
Mich. Dept. of Public Fleamin AUG 28 1991			Basement offset
BUREAU OF ENVIRONMENTAL AND USE(NO SMEET IN NEEDED) 15. Remarks, elevation, source of data, stell TH-GWQS	1	16 WATER	Manufacturer's name Capacity 42 Gallons WELL CONTRACTOR'S CERTIFICATION:

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

REGISTERED BUSINESS NAME

REGISTRATION NO.

AUTHORIZED REPRESENTATIVE

Dete

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

17. Rig Operator's Name:

D67d 2/89

Address 3565 PRANCISCO ROAD  Street Address and City of Well Location  Sketch Hap	Owner of Well HONBY CREEK HM/MICHELS  ANN ARBOR MI 48103-  Address Same as Well Location? No  Well Depth (Completed)   Date of Completion 09/22/98  62 ft.   New Well  Drilling Method ROTARY  Proposed Use DOMESTIC  Casing PGASTIC   Height Above 5 in. to 56 ft. depth   Surface 1 ft. in, to ft, depth   Weight 5 lbs./ft.
PORNATION DESCRIPTION  FORNATION DESCRIPTION  BROWN SAND CLAY  GRAVEL  GRAVEL  BROWN CLAY  BROWN SAND  GRAY CLAY  WATER, SAND  10  6  Thickness Depth to 7  Return Stratum  Thickness Depth to 7  Return Stratum  4  4  4  6  13  17  5  22  BROWN CLAY  4  26   BROWN SAND  11  37  8  GRAY CLAY  WATER, SAND  10  62	Proposed Use DOMESTIC  Casing PGASTIC   Height Above   5 in. to 56 ft. depth   Surface 1 ft.
PORNATION DBSCRIPTION  Gf Bottom of Stratum Stratum Stratum HROWN SAND CLAY  GRAVEL  SAND AND GRAVEL  BROWN CLAY  BROWN SAND  11 37 8  GRAY CLAY  WATER, SAND  10 62	5 in. to 56 ft. depth   Surface 1 ft.
RECEIVED SEP 2 8 1998	Grouted Drill Hole Diameter;  8.5 in. to 62 ft. depth; Drive Shoe No in. to ft. depth;  Screen  Type PVC Diameter 5  Slot/Gauze 10 Length 6  Set Between 56 ft. and 62 ft.  Fittings K-PACKER  Static Water Level 20 Ft. Below Land Surface Flow  O Pumping Level Below Land Surface  2 ft. after 2 hrs. pumping at 50 G.P.M.  2 ft. after 2 hrs. pumping at 50 G.P.M.  1 Well Head Completion PITLESS ADAPTER  2 Well Grouted Yes From 0 to 50 ft.  PRESSURE GROUT  No. of bags of cement Additives  3 Nearest Source of Possible Contamination  Type SEPTIC SYSTEM Distance/O Direction  Well disinfected upon completion? Yes
Rig Operator's Name STEVE WHRBLER  16 WATER WBLL 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 ANN ARBOR WBLL DRILLING	Was old well plugged?  Pump Installed Pump Installation Only? No Manufacturer's Name RBDJACRRT  Model Number 9BC HP 1/2 Volts 220  Length of Drop Pipe 20 ft. Capacity 10  Type SUBMRRSIBLE Jet NONE  Pressure Tank Name MBLL X-TROL  Pressure Tank Model 203  JTHORITY: Act 368 PA 1978 COMPLETION: Required.

Sand and grave!  8 19   SCREEN   Not installed   Type Stainless   Demoter   41	Distance And Direction From Hoad Intersection			3 OWNER OF WELL
Size Address 0 cive of Very Lincations   1-94   Section Map   1-94   Section Map   1-94   Well Destroy   1-94	1/10 ml S 1-94 & Clear Lake Road			
Andress Sane As Well Locations   Quity 15   100	4020 Clear Lake Road			
School Map   1-94   WELL DEFFH   Date Congisted   Wow Well   F.   B   3   92   Institution   Day   Institution   Day   Institution   Day   Institution   Day   Institution   Day   Institution   Type is Public   See   Defendence   Type is Public   See   See   Public   See   See   Public   See   See   See   See   See   P	Street Address & City of Well Location			
Clear Lk Rd  Clear	Locate with "X" in Section Below	Sketch Map		4 WELL DEPTH: Date Completed   Date Well
Clear Lk Rd    Clear Lk Rd	1-94			51 FT. 18 3 G21 Replacement Well
Clear Lk Rd    Instruction and   August   State   Type In Public   Type In Type In Public   Type In Type I				
Comments   Type III Public	w	Clear	Lk Rd	☐ Hallow rod ☐ Auger ☐ Jetted ☐
Trest West   Type is Problem   Type to Problem   Type is T	T			6 USE Domestic Type I Public Type III Public
				Imgation Type IIa Public Heat pump
PRIMATION DESCRIPTION   PRIMATION   PRIM				Test Well Type IIb Public
PRIMATION DESCRIPTION   PRIMATION   PRIM	MILE			CAS:NG: Diameter Steel Threaded Height Above/Brigg
Sand    11   1   1   1   1   1   1   1   1		THICKNESS	DEPTH TO	5 is to 48 to death   Surface   t
Sand and grave!    11	2 FORMATION DESCRIPTION	OF	DOTTOM OF	in to ft, depth Worght lbs./ft.
Sand and grave]  8 19  Clay  12 31  Software 44  Software 407 Longth 4!  Software 408 Longth 6!  Softw			01747541	Grouted Drill Hola Diameter
Sand and grave!    Soliday   12   31   31   31   31   31   31   31	Sand	11	11	,
Sand   12   31   StorGaure   2007   Congth   41   StorGaure   2007   Congth				
Solidare   QO7   Longin   A1	Sand and grave!	8	19	
Sand  20 51   Sot between 4 Per Pocker   Lead Packer   Berner Check	A1.			
Sand   20   51	Clay	12	31	
STATIC WATER LEVEL:    STATIC WATER LEVEL:   Flow   Flow	Cand			FITTINGS: K-Packer Lead Packer Bremer Check
Signed   S	Spirit		51	Blank above screen 5/t Other
To PUMPING LEVEL below land surface  30 ft. after	Clav		Et.	(
30   ft. after   this pumping at   20   G.P.M.	<u> </u>	<u> </u>	71+	10 PUMPING LEVEL: below land surface Flow
Tit after				
11 WELL HEAD COMPLETION:		i		
COMPLETION:   Sasement offset   Approved pit				tt. after hrs. pumping at G.P.M
Basement offset   Approved pit				
No   Yes   From   O   to   40   ft.		<u> </u>		
Neal cement   Xx   Bentonite   Other				12 WELL GROUTED? No by Yes From 0 to 40 ft.
No. of bags of cement 2 Additives		ļ		
13 Nearest source of possible contamination   Type 2				
Type 2 Distance				No. of bags of cament Additives
Well disinfected upon completion?  Was old well plugged?  No Yes No    14 PUMP:   Not Installed   Pump Installation Only				· · · · · · · · · · · · · · · · · · ·
Was old well pluggd?				
RECEIVED  Manufacturer's name GOULds  Model number 10E 105422 Hr 1/2 Volts 220  Length of Drop Pipe 35 ft capacity 10 G.P.M.  TYPE Submersible Jet PRESSURE TANK:  Manufacturer's name Well Mate  Ose A 2ND SHEET IF NEEDED AU OF ENVIRONMENTAL AND Model number 14M 6 Capacity 5 Gallons  15. Remarks, elevation, source of data CUPATIONAL HEALTH-GWOS  This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX & BOLEY WELL OR ILL ING. INC.  REGISTRATION NO.  Address 6655 Brooklyn Rd., Jackson, MI 49201  Signed Manufacturer's name GOULds  Model number 10E 1054022 Hr 1/2 Volts 220  Length of Drop Pipe 35 ft capacity 10 G.P.M.  TYPE Submersible Jet Contractor's CERTIFICATION:  This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX & BOLEY WELL OR ILL ING. INC.  Address 6655 Brooklyn Rd., Jackson, MI 49201  Signed Manufacturer's name GOULds  Model number 10E 1054022 Hr 1/2 Volts 220  Length of Drop Pipe 35 ft capacity 10 G.P.M.  Type: Submersible Jet Contractor's Name Well Mate  Authority: Act 368 PA 1978				
Manufacturer's name GOULIDS  Mich. Dept. of Public Health  DEC 7 1992  USE A 2ND SHEET IF NEEDERFALL OF ENVIRONMENTAL AND Model number 10E J05422 HP 1/2 Volts 220  Length of Drop Pipe 35 ft. capacity 10 G.P.M.  TYPE I Submersible Jet PRESSURE TANK:  Manufacturer's name WellMate  Model number 11M-6 Capacity 5 Gallons  WATER WELL CONTRACTOR'S CERTIFICATION:  This well was drilled under my jurisduction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  REGISTRATION NO.  Address 655 Brook Lyn Rd., Jackson, MI 49201  Signed WATER WELL OR TILLING, INC:  AUTHORIZED REPRESENTATIVE  Authority: Act 368 PA 1978				14 PUMP: Not Installed Pump Installation Only
Mich. Dept. of Public Health  DEC 7 1992  USE A 2ND SHEET IF NEEDERAL OF ENVIRONMENTAL AND Model number NALE Capacity 19 G.P.M.  TYPE: Submersible Jet PRESSURE TANK:  Manufacturer's name WellMate  Model number NALE Capacity 5 Gallons  WATER WELL CONTRACTOR'S CERTIFICATION:  This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING INC.  REGISTRATION NO.  Address 655 Brook lyn Rd., Jackson, MI 49201  Signed Water Registrative Date 9/2/92  Authority: Act 368 PA 1978	[100] SIAN	-		
Length of Drop Pipe 35 ft. capacity 19 G.P.M.  TYPE: Submersible Jet  PRESSURE TANK:  Manufacturer's name WellMate  USE A 2ND SHEET IF NEEDED AU OF CNVINDIMENTAL AND  USE A 2ND SHEET IF NEEDED AU OF CNVINDIMENTAL AND  USE A 2ND SHEET IF NEEDED AU OF CNVINDIMENTAL AND  WATER WELL CONTRACTOR'S CERTIFICATION:  This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING INC.  REGISTRATION NO.  Address 655 Brook 1 yii Re., Jackson, MI 49201  Signed Water Representative  Authority: Act 368 PA 1978	RECEI	VED		
TYPE: Submersible Jet	Mich. Dept. of P	ublic He	alth	Length of Drop Pipe 35 ft. capacity 19 G.P.M.
Manufacturer's name WellMate    Model number WM-6   Capacity   5   Gallons	nea m			TYPE: Submersible  Jet
Model number WM_6 Capacity 5 Gallons  15. Remarks, elevation, source of data of CIPATIONAL HEALTH-GWOS  17. Rig Operator's Name:  Model number WM_6 Capacity 5 Gallons  WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.  FOX 8 BOLEY WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and bolief.		1992		1
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and balled.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed William J. William Date 9/2/92  Authorized Representative  Authority: Act 368 PA 1978	USE A 2ND SHEET IF NEEDED.			TOT THAT S
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and balled.  FOX 8 BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed William J. William Date 9/2/92  Authorized Representative  Authority: Act 368 PA 1978	5. Remarks, elevation, source of data prints a visit in	IMENTAL !	18. WATER	Gallons Gallons
FOX & BOLEY WELL DRILLING, INC.  REGISTRATION NO.  Address 655 Brooklyn Rd., Jackson, MI 49201  Signed William & Wellille Date 9/2/92  Authorized Representative  Authority: Act 368 PA 1978	UCGUPATIONAL HE	ALTH-GWO	S This well	was drilled under my jurisdiction and this report is true
Addross655 Brooklyn Rd., Jackson, MI 49201  Signed Livera L. Muluille Date 9/2/92  Authorized Representative  Authority: Act 368 PA 1978				•
Addross655 Brooklyn Rd., Jackson, MI 49201  Signed Livera L. Muluille Date 9/2/92  Authorized Representative  Authority: Act 368 PA 1978			FOX & BO	DEY WELL DRILLING, INC. 0167
7d 2/89  Signed (Authorized Representative Authority: Act 368 PA 1978	17. Rig Operator's Name:			
Authority: Act 368 PA 1978			1.	
Authority: Act 368 PA 1978	7d 2/89		Signed	AUTHORIZED REPRESENTATIVE Date 9/2/92
			,	

of any provision is a misdemeanor.

BEOLOGICAL SURVEY SAMPLE No.						

WATER WELL RECORD

MICHIGAN DEPARTMENT OF

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1 LOCATION OF WELL			( / ( / ) )	PUBLIC HEALTH
County	Twp.		Fraction All	** Section No. Town ** Range **
Jackson  Distance And Direction from Road in	Grass Lake			V4 SW4 13 25 ±15. 2E €10
4450 Clear Lake I		WNER No		3 OWNER OF WELL: Austin Artz
On NW. side of in	atersection -	of Clea	r Lake	Address 4450 Clear Lake Rd
s.Ed.ands.Interetate	s-94 Gras			Grass Lake, Mich
2 FORMATION	N	THICKNESS OF STRATUM	BOTTOM OF	4 WELL DEPTH: (completed) Date of Completion
		5 TRATUM	STRATUM	161 it. 9/16/66  5
Clay & Sand		115	115)	5  Cable tool  Rotary Driven Dug Hollow rod  Jetted  Bored
Cond Dook Ch		2, 201-2-2		6 USE: Poneste   Public Supply   Industry
Sand Rock-soft		4973	119	Irrigation Air Conditioning 🗖 Commercial
Line Rock		15	134	Tost Well 7 CASING:
				7 CASING: Threaded Welded Height: Above/Agreew
Lime Rock & Shale	)	16	150	4 in. to 119t. Depth surface 1/2 ft. Weight 11 lbs/ft.
Shale-gray		11	161	Weight 1 lbs/ft. in, toft, Depth   Drive Shoe? Yes No.  8 SCREEN:
ATTENTION OF CAL		+4	161	1
				Typs:Dia.:
				Slat/GauzeLength
, , , , , , , , , , , , , , , , , , , ,				Set betweenft. andft.
				Fittings:
				9 STATIC WATER LEVEL
				20_ft. below land surface
				10 PUMPING LEVEL below land surface
		_		25 ft. after 2 hrs. pumping13 g.p.m.
				ft, afterhrs. pumpingg.p.m.
				11 WATER QUALITY in Parts Per Million:
		<u> </u>		Iron (Fe)Chlorides (CI)
				Hardness
				12 WELL HEAD COMPLETION: In Approved Pit
			****	Pitiess Adapter 🔲 12" Above Grade
				13 GROUTING: Well Grouted? Yes Wo
				Material: Negt Coment
			<u> </u>	Depth: Fromft. toft.
				14 SANITARY:
		<del> </del>		Nearest Source of possible contamination
				Well disinfected upon completion Yes No
				15 PUMP:
				Manufacturer's Name Reda
				Model Number 919P051 HP 16
				Length of Drop Pipe 63 ft. capacity 10 G.P.M.  Type: 2 Submersible
				Jet Reciprocating
16 Remarks, elevation, source of dat				WELL CONTRACTOR'S CERTIFICATION:
* A addition lung 273	1110(66			was drilled under my jurisdiction and this report is true st of my knowledge and belief.
				Brower & Son, Inc 106
			R	
			Address_	
•			Signed	Douglas Brewer Darg/ 0/3//66

WICHIG	AN DEPARTMENT
	QF
PI:	BLICHEALTH

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ŀ	V	i	

1 LOCATION OF WELL	ACT 294	PA 1965	OF PUBLIC HEALTH
	s Lake	Fraction NE 14N4	14 Section No. Town Ronge 2 EZE
On S.E. corner of interestions Charter Clear Take Rd & Leach   Street address & City of Well Location 4991	Ka.		3 OWNER OF WELL: Russell Baldwin Address 4991 Clear Lake Rd Grass Lake, Mich
2 FORMATION	TRICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) Date of Completion 3/28/67
Gravel-med-fine	150	150	5 Cable tool Rotary Driven Dug Hollow rad Jetted Bored
" -fine-mixed with	sand 28	178	6 USE: Domestic Public Supply Industry    Irrigation Air Conditioning Commercial
" -fine	2	180	7 CASING: Threaded Welded Height: Above
Line rook	13	193	4 in. to 1821/st. Depth   surface 12 ft.
Sand rock- water beari	ng 2	195	Weight 1 bs/ft. 
			8 SCREEN: Type:Dio.;
			Slat/GauzeLength
			Set betweenft, andft.
			9 STATIC WATER LEVEL
,			70 ft. below land surface 10 PUMPING LEVEL below land surface
			73 ft. after 2 hrs. pumping 15 g.p.m.
			ft. afterhrs. pumpingg.p.m.  11 WATER QUALITY in Parts Per Million:
			Iron (Fe)Chtorides (CI)
	, .		Hardness
			12 WELL HEAD COMPLETION: In Approved Pit  Pitless Adapter I 12" Above Grade
			13 GROUTING: Well Grouted? Yes S No
			Material: Neat Cement Depth: Framft, toft,
			14 sanitary:
			Negrest Source of possible contamination  55 feet B Direction Septio Type
			Well disinfected upon completion Yes No. No. 15 PUMP:
			Manufacturer's Name Reda  Model Number 9D9P051 HP 1/2
			Length of Drop Pipe <b>34</b> ft. capacity <b>10</b> , P.M.  Type: <b>Submersible</b>
S Remarks, elevation, source of data, etc.		17 WATER V	Jet Reciprocating
ADDED INFO. BY DRILLER, ITEM NO.		This well	was drilled under my jurisdiction and this report is true it of my knowledge and belief.
*CORRECTED BY: RPS	,	R M	Brewer & Son Inc 106 GISTERED BUSINESS NAME REGISTRATION NO.
** Silon BY, R. P.		Address_	Rt 1 Parma, Mich
67D 100M 6-66		Signed A	UTHORIZED REPRESENTATIVE

TAX NO:	MICHIGAN DE	PARTMENTO	F PUBLIC HEALTH PERMIT NO:
	WATER W	ELL AND PI	JMP RECORD
1. LOCATION OF WELL			1 16/5
County Jackson	Township Nama	Fraction Fraction	WHANTE Section No. Town No. Range No.
Distance and Direction from Road Inte	praection	11.11 00	O CHARLED OF HICH
Distance and Direction from Road Inte			Address Clinton Butterly 3005 Fish Ville RD
8/10 Mi, S. O Street Address & City of Well Locatio	t trancis	ico Ku.	Address Same as Well Location 🗘 Yes 🗌 No
Locate with 'x' in Section Below		Sketch Map	4. WELL DEPTH: Date Completed New Well
	A.		ft. 9 / 17 / 97 Replacement Well  5. Cable Tool Rotary Driven Dug
┃₩├─┴─┼─┼─┤ <sup>╏</sup>			Hollow Rod Auger/Bored Jetted
	S francis	Sco RD	6. USE: Household Type   Public Type    Public
1 14 15	4 x		7. CASING: Steel Threaded Height: Above/Below
2. FORMATION DESCRIPTION		THICKNESS DEPTH TO OF BOTTOM OF STRATUM	Plastic Welded Surface:ft
		STHATUM STRATUM	Diameter:in. toit. depth Weight:lbs/ft.
			BORE HOLE: Diameter:in. toft. depth Shale Packer
			in. toft. depth
			8. SCREEN: Not Installed Gravel-Packed Type Diameter
			Slot/GauzeLength:
	NUC		Set Between tt, and ft.
10/11	1227		FITTINGS: K-Packer Bremer Check Blank Above Screen ft. Other
2/2/2			9. STATIC WATER LEVEL;
A OCI	09 881		ft. Below Land Surface Flowing  10. PUMPING LEVEL: Below Land Surface
12/00,	/ 9/		ft. Afterhrs. Pumping at G.P.M. Plunger Bailer Air Test Pump
	HEALTH		11. WELL HEAD COMPLETION:  Pitless Adapter
ý,	HILL		Bassment Offset
S S	///		12. WELL GROUTED? No Yes From to t.
			No. of Bags Additives
BE 0 0.00	( * * * * * * * * * * * * * * * * * * *		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Typeft. Directionft.
USE A 200 SHEET IF	NEEDED		Type Distance ft. Direction
15.C ABANDONED WELL PLUGGED?  Gabing Diameterin.	Yes X No		14. PUMP: Not Installed Pump Installation Only Manufacturer's Nagro Fint + ING // n F
PEUDGING MATERIAL	Depthft.	Bentonite Slurry	Model Number 110 Co - HP /2 Valts
T. Dement/Bentonite diurry	Concrete Grout	Bentonite Chips	Length of Drop Pipe 3 1t. Capacity 16 G.P. M. TYPE: Submersible Jet Other
No. of Bags  16. REMARKS: (Elevation, Source of		Yes No	PRESSURE TANK:
Homeowner gains to		(61)	Manufacturer's Name Mary Capacity & Gallons DIP of
		This well was drilled	TRACTOR'S CERTIFICATION: d under my jurisdiction and this report is true to the best of my
17. DRILLING MACHINE OPERATOR		KIMBINPH'S BUILDING	MATTHEW'S PUMPS S & SERVICE 0650
☐ Employee ☐ Subcontractor		REGISTERED BUSINESS N	Page Avenue REGISTRATION NO.
Name		""MICHIGAN	CENTER_MI 49854
	i	SignedAUTHO	1864 Historicky Date 9-10-97

GEOLOGICAL SURVEY SAMPLE No.							
0051 =							$\perp$
OCT 1 5 1979		WATER '	WELL RE	CORD		MICHIGAN DEPA	ARTMENT
1 LOCATION OF WELL						OF PUBLIC HEA	ALTH
Jackson	Township Name Grass Take		Fraction NT! N	ie "sn "		Town Number	Range Numbe
Distance And Direction from Road	Intersections		1/15 1/4 1/	3 OWNER OF	13	T2S N/S.	R2E E/
1/94 mi N Clear Lk &	I-94				ames W. Lor	cenz	
4345 Clear Lake Road Street address & City of Well Loca	tion			Address 7	701 C <b>l</b> ark J		R
Locate with "X" in section belong		h Map:				Date of Completion	
	Mana Trul 7			48		8/9/79	
	Olear Lk			5 k Cable to	ool Rota	ry 🔲 Drive	ın 🔲 Du
w	I-94			Hollow			<del></del>
	I-94			6 USE: XX Dan	_	ic Supply (	Industry
				Tosi		Conditioning	Commercial
				7 CASING: Th	rebleW Rebes	Height: Abo	XXXX <sup>B</sup> R <sup>B</sup> OVC
1 MILE		THICKNESS	ОЕРТИ ТО			Surface 1	ft.
2 FORMATIO	N	OF STRATUM	BOTTOM OF	in, to	ft, Depti		
			G   KATOM	8 SCREEN:	ft, Dapt	Drive Shoe?	Yes X No
Clay and sand		5	5_	Type: Ata	ainless	Dia.:	
<i>El.</i>		_				Length 11	
Sand, brown		_12	18	Set between	_사냐 ft. and	<u>48</u>	
Gray sand		30	48	Fittings: 50	eal, plug a	nd riser	
				9 STATIC WATE			
			-	9	ft. bolow land sur	face	
					EVEL below land s		n
77 7				<u> </u>	ft, after <u>±&amp;</u> hrs. p	umping <u>3</u>	3 g.p.m.
					ft. after hrs. n	umping	a 5 m
•				11 WATER QUA	LITY in Parts Per	Million:	gypilli
				(ron (Fe)	Chlor	des (CI)	
1111		-		12 WELL HEAD	Other		
					less Adapter	In Approved Pit	
				13 Well Grouter	7 Yes X No		
					rment 🔲 Bentoni		
				Depth: From	ce of possible co	oft,	
					Directio		Турс
					ted upon complet		
				16 PUMP:		ot installed	
					r's Name <u>Aerm</u>		
			į			HP]/2 Volts	
ADDED INFO BY	DRILLER, ITEM NUL			Longth of Or Type: 💢 Si		capacity _12G.F	²•M•
*CORRECTED BY				☐ 10		Reciprocating	
*ADDITION BY	E E DE D	ľ				•	
6 Remarks, elevatient is de Remarks, elevatient is de Remarks.			7 WATER W	ELL CONTRAC	TOR'S CERTIFIC	ATION:	
	AM		This well	was drilled und	er my jurisdiction	ATION: and this report is	true
Permit 70	013		Fox B	t of my knowled Irothers D	ge and belief. <u>rillers.</u> Ir NAME	ic.	167
			Address _	6655 Brac	klyn Rd., j	ackson, Mi	chigan 49
			Signed /	7 1.5.	10,	Date 8/1	7/79
100M (Pay 12-00)			Signed 4	UTHORIZED DEED	ESENTATIVE	Date	17.17

#### MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

		`
	W0628	ŕ
PER	MIT NUMBER	

1 LOCATION OF WELL			
County _ Township Name	1 .	Fraction	Section Number Town Number Range Number
Jackson To Gras	s Lak	G W	VEVANNIA 13 2 MG 2 EM
Distance And Direction From Read Intersection			3 OWNER OF WELL:
Yamile From NE Corner o	£ 194	Sin Oak	TAMI HOULE
_	د او در	רייאל 190	
4499 Clear LK. Rd			Grass Lake, MI 49240
Street Address & City of Well Location  Locate with "X" in Section Below Sh	eich Mage		Address Same As Well Location? X Yes No 4 WELL DEPTH: (completed) Date of Completion
Focate with V in Section Below 2M	6 \ U		
	2		50 ft. 10-9-86
	7.11		6 ☐ Cable tool
w	5[]_		Hollow rod Auger Jetted
1. 4	2/2		6 USE: Domestic Type I Public Type III Public
	20{3		Irrigation Type IIa Public Heat pump
	10		Test Well Type IIb Public Tope IIb Public
E94		Participate of the Control of the Co	7 CASING: Steel Threaded Height: Above/Batgetx    Steel Welded   Surface 1   It.
→ 1 MILE	Turannana	DEDE: 50	7 5 76
2 FORMATION DESCRIPTION	THICKNESS OF	DEPTH TO BOTTOM OF	
	STRATUM	STRATUM	Grouted Drill Hole Diameter Drive Shoe 131 Yes
Z4 9	_		in. to it. depth
Clay	6	6	O CORCEAL
a.e	10	10	☐ Not instaned
Muck	1.2	18	Type Stainless Diameter 4th
(11		24	Stormer 15 Length 41
C1ay	6	24	Set between 46 ft. and 50 ft.  FITTINGS: K-Packer Lead Packer Bremer Check
Canad / Sina & Canad)	12	36	Blank above screen 1 ft. Other
Sand (Fine & Coarse)	1.2	20	9 STATIC WATER LEVEL:
Water Cand	14	50	ft. below land surface
Water Sand	<u></u>		10 PUMPING LEVEL: below land surface
			12
			8 ft. after 2 hrs. pumping at 12 G.P.M. 9 ft. after 2 hrs. pumping at 12 G.P.M.
			11 WELL HEAD X Pitless adapter 12° above grade
			COMPLETION: Basement offset Approved pit
			12 WELL GROUTED? No X Yos From ALL toft.
	ļ		Neat cement XX Bentonite Other Mud
			,
1		ž .	No. of bags of certeintAdditives
			, , , , , , , , , , , , , , , , , , , ,
			Type Distanceft. Direction
			Well disinfected upon completion? 👿 Yes 🗌 No
			14 PUMP: Not Installed Pump Installation Only
RECEIVED			Red jacket
Mich. Dept. of Public Health			Model number 9 BC HP 1/2 Velts Length of Oron Pine 35° ft. capacity G.P.M.
			Longth of Drop Pipe 35 ft. capacity 2 G.P.M.
NOV 2 3 1987			TYPE: X Submersible
·			PRESSURE TANK: WOLL V + 103
Bureau of Environmental and			Manufacturer's name Well X-trol
use Ossusational dealth GWOS			Model number <u> </u>
15. Remarks, elevation, source of data, etc.	. /		R WELL CONTRACTOR'S CERTIFICATION:
	47		olf was drilled under my jurisdiction and this report is true pest of my knowledge and belief.
	•		
		AN AN	N ARBOR WELL DRILLING INC. 1290 REGISTRATION NO.
		Addres	MARK W N. S. N. C. S 865 Name
			101 Ald - (1)/4 /2. MT 481.30
D67d 2/84	···	Signed	AUTHORIZED REPRESENTATIVE 10-10-86
·			Command to 50% and Authority: (Act 368 PA 1978

APR 28 1977								Ш		
4.20		WATER W ACT 294				MICHIGAN DEP OF PUBLIC HEA				
LOCATION OF WELL	Fownship Name		Fraction		Section Number	الكرن فيستب مستبر تعريف برخوس	Range N	lumber		
Jackson	Grass Lake		SE % 8	E 4 NW 4	13	T28 N/S.	RZE	E/W.		
clear Lake Rd. 1/2 mi N of I-94				Toth Builders  Address 599 Adrian St.  Manchester, Michigan 48158  4 WELL DEPTH: (completed) Date of Completion						
eat address & City of Woll Locat Locate with "X" in section belo	ion Sketo	h Map:					on			
	W	B	2-94	b 😿 Cable to	fl. Ro	tary Driv	od	Dug		
	A Section of the Control of the Cont	7878	deligen graden deligen graden	Пто	gation Ai	blic Supply r Conditioning led Hergitt; Á	Commi	ercial		
1 MILE		THICKNESS	DEPTH TO BOTTOM OF	the so to	<b>61 10</b> De	Súrfáce _ 	_ <b></b> _fbs,/	fli /ft		
FORMATIO	N	STRATUM	STRATUM	O GODECH		opth   Drive Sho				
sand		25'	20' 45'	Slot/Gauze	nless ste  -010  -51 10 ft. and	ol Dia.: 44	<u></u>			
sand & clay		11.	56'	Fittings:	1 <u>74</u> II. and	٠٠٠		.,		
sand & gravel			20	9 STATIC WA	_ ft, below land	surface				
•				l .	LEVEL below la	nd surface s. pumping _ <del>30</del> -	g.	.p.m.		
					_ ft. afterh	rs. pumping	<u> </u>	.p.m.		
						hiorides (CI)				
				12 WELL HEA		In Approve				
				13 Well Gro	uted?🙀 Yas 🗌	No				
	<u> </u>			Depth:	From	*****	n.	<del></del> :		
	5 - 3			Well disi	nfected upon cor	mpletion Yes	tank ] No	T <sub>1</sub>		
			<u> </u>	15 PUMP: Manufaci	turer's Name 🎄	Not installed	(a)ta 93(	<u> </u>		
*CORRECTED BY  *CORRECTED BY	HOL			Langth a	f Drop Pipa 45	A195SDP1\ _ft, capacity	_G.P.M.	ł		
ELEVATION BY			ļ.,,	1 .	Submersible Jet	Reciprocati	ng			
USE A 2ND SHEET  16 Remarks, elevation, source			17 WATE	R WELL CONT	RACTOR'S CER	ITIFICATION:				
			This w	voll was drilled bost of my kno	l under my jurisd wledge and beli	liction and this rep				
Permit	4862					Rd. Jackson				
			Signe			Date 3				

D67d

DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION WATER WELL AND PUMP RECORD PERMIT NO: TAX NO: 3928 Completion is required under authority of Part 127 Act 368 PA 1978 Failure to comply is a misdemeanor LOCATION OF WELL Town No. Range No. County Township Name Fraction Jackson Waterloo SE 1/4 SE 1/4 NW 1/4 12 T.2 S. R.2 E. Distance and Direction from Road Intersection 3. OWNER OF WELL Charlie & Ramona Stockton Address 2/10 ml W. of Harvey Rd. & Loveland Rd. 14900 Harvey Rd. Grass Lk., MI 49240 14900 Harvey Rd. Address Same as Well Location X Yes No Street Address & City of Well Location New Well Locate with 'x' in Section Below 4 WELL DEPTH: Date Completed Sketch Map Replacement Well 151 ft. 11 7 / 97 Driven ☐ Dug 5. Cable Tool Rotary Jetted Hollow Bod Auger/Bored 6. USE: K Household Type I Public Type III Public Harvey Rd. ☐ Irrigation ☐ Type IIa Public ☐ Heat Pump ☐ Test Well ☐ Type IIb Public ☐ 7. CASING: Steel Threaded Height: Above/Below ☐ Plastic ☐ Welded Surface: 1 ft THICKNESS Other\_Glued FORMATION DESCRIPTION OF STRATUM Weight: \_\_\_2 Diameter: \_\_5 \_\_ in. to 128 ft. depth in. to \_\_\_ft. depth 141 Sandy clay 141 Drive Shoe BORE HOLE: Diameter: 8 in. to 128 ft. depth Shale Packer 261 Sand 12! in. to ft. depth 181 Clav 8. SCREEN: Not Installed Gravel-Packed \_\_\_\_\_\_ Diameter\_ Type 131 571 Sand, grael aand clay Slot/Gauze Length: Clay 241 118 Set Between\_\_\_ ft.and ... . ... FITTINGS: K-Packor Bremer Check 421 1231 Sand, gravel and clay Blank Above Screen ft. Other 41 1271 9. STATIC WATER LEVEL: Sandstone 36 ft. Below Land Surface 41 1311 Limestone 10. PUMPING LEVEL: Below Land Surface 61 1371 20 G.P.M. 40 ft. After 1 hrs. Pumping at\_ Hard sandstone X Test Pump Plunger ☐ Bailer Air 1411 Sandstone 11. WELL HEAD COMPLETION: Pitless Adapter 12" Above Grade 71 1481 <u>Hard sandstone</u> ☐ Well House Basement Offset 1511 Sandstone 12. WELLGROUTED? No X Yes From 0 to 127 ft. DECOS Neat Cement Bentonite Other No. of Bags 12 Additives Quick-grout/Bense a l ä 13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ೧೭೮ Type s. tank Distance 50 ft. Direction N EUSE AZMOSHEET IF NE DED HEALT Type\_\_\_\_\_ft. Direction\_\_\_\_\_ 14. PUMP: Not Installed Pump Installation Only 15. GABANDONED WELL PLOGGED? X Yes No Plugged lines. Manufacturer's Name StaRite Casing Diameter 2 in.
PLUGGING MATERIALS Depth ft. Model Number 20SP4E02J HP 1 Volts 220 Neat Cement ☐ Benionite Slurry Length of Drop Pipe 50 tt. Capacity 20 G.P. M. TYPE: X Submersible Jet ... Other Cement/Bentonite Surry Concrete Grout Bentonite Chips Casing Removed? Yes Na No. of Bags 1/4 PRESSURE TANK: Manufacturer's Name WellMate 16, REMARKS: (Elevation, Source of Data, etc.) Model Number WAM 14WB Capacity 14 Gallons del-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. 17. DRILLING MACHINE OPERATOR: FOX 1 POLITY WELL DRILLING, INC. 0167 Name MWIIson/JBoley Address 6655 Brooklyn Rd., Jackson, MI 49201 Date 11/28/97

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

GEOLOGICAL SURVEY COPY

EQP 2017 (12/96)

14323 HARVEY

GEOLOGICAL SURVEY NO. [

# MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

	-,+	31.76
DFD	MIN TIM	000

1 LOCATION OF WELL					<u> </u>		PERMIT NORBER
County	Township Name	Fraction			Section Number	Town Number	
JACKSON	WATERLOO	NW % S			12	2 \$	2 E
Distance And Direction From Ro 14323 HARVEY GRASS LAKE 49240 Street Address & City of Well			3	Addre	14311		49240
Locate with "X" in Section Bel	ow / Sketch Maj	,	4	WELL D	EPTH: Date (	Completed	
N	LAKE?			7	7 FT. 12,	/18/97	NEW WELL
		RD->	5	DRILLI	NG METHOD: Ro	TARY	
	E B HAI	RVEY		USE:		MESTIC	
%	MI. CLEAR		7	CASING	PLASTIC		Height: ABOVE
s	Latitude: NOT	TEN			ter 5 " to 67 ter " to		Surface 1!
«	rought roces	KD,		G	routed Drill Hole I		Weight <u>SDR 21</u>
2 FORMATION DESCRIPTION	THICKNESS I OF Stratum	DEPTH TO BOTTOM OF STRATUM			9 H to 60	ft. depth	Orive Shoe: NO
YELLOW GRAVEL	40	40	8	SCREEN		Dian	eter <u>5</u> " Nominal
GRAY CLAY	8	48			SLOT 12	ι	ength <u>10</u> ft.
SAND	29	77		FFFFF			t. and <u>77</u> ft. ve screen ft.
			L	FITTIN		Draik aboy	e screen 11.
				_33	WATER LEVEL ft. below land su		Flow: NO
			10		NG LEVEL: below to		40.00
SE SEC	ED (ED 144 0 E 400	**			ft. after <u>2</u> hrs. ft. after <u> </u> hrs.	-	
	EIVED JAN 2 5 100	3	111		HEAD COMPLETION:	benda 118 ac	- att tid
- 10		1	1			PITLES	S ADAPTOR
			12	WELL	GROUTED? YES		
			-	6	<u>FAL</u> From <u>0</u> to bags of cement. A	dditives	
Age ages at the same and			13		st source of conta		
<u> </u>			$\frac{1}{2}$	Wel	e <u>SEPTIC</u> Distar l disinfected upon old well plugged?	nce <u>100</u> f completion?	t Direction <u>NH</u> YES
			14	PUMP:			
<u> </u>			4		facturers name <u>RE</u> L number <u>75SESWI-1</u>		3/4 VOLTS 230V
				Leng	th of Drop Pipe 6	ft. capaci	ty 12 G.P.M.
MS51097 895693 12/18/97 PS51097 895693 WELLS ANC 5 1-1/4 1-	-1/4" PVC				SURE TANK: facturers Name AMT	ROL	
15. Remarks, elevation, source		I 16. WAYER W	i ÆLI		U Number WX 250 TOR'S CERTIFICATION		ncity 13.2 Gallons
700 #SAND	the managed to the second	This	wel	l was d	rilled under my ju t of my knowledge	risdiction a	nd this report is
17. Rig Operator's Name:	IDT MAIC				ling Co., Inc. BUSINESS NAME		N1-0524 NISTRATION NO.
	URT WING	Addr	·ess	830	O Dexter Chelsea R	d. Dexten, M	
D67d 2/89 CDCW13465P17	7192 10/05/00	Sign	ned	AUTH	ORIZED REPRESENTAT	IVE	Date 12/11/9-
				<b>V</b>	Authorit	y: Act 368	3 PA 1978

TAX NO:	MICHIGAN DER					PERMITN	0:	
LOCATION OF WELL	WATER WE	LL A	וטץ עוי	WIP KE	COKD	Δ.	287	:
County	Township Name		Fraction		Section No.	Town		lange No.
Jackson	Grass La	ke	1/4	1/4 1/4	12	गाउट		) F
Distance and Direction from Road Into	ersection			3. OWNE	R OF WELL			
1800 ft East of Fr	lanatasa Band			Addres			y Schmit: Street	
l Mile South of Gr							MI 49240	
Street Address & City of Well Location				Addres	s Same as Well Loc			
Locate with 'x' in Section Below		ketch Map		4. WELLI	DEPTH: Date	Completed	New Well	
	GRASS (8			137	ft. 11/	' 1	Replacem	
<b></b>	A CONTRACTOR OF THE PARTY OF TH	4		5. Cal		Rotary	Driven	Dug
w         <sub>E</sub>	0	Re	D.	☐ Hol	low Rod 🔲 A	luger/Bored	☐ Jetted	□
	9.	121	Rd		Household 🔲 T			
	Q	12			Irrigation T	ype IIa Public	Heat Pump	D
	4	l .			Test Well T			
1 NILE	TE.	1800	K		G: Steel T		Height: Above	
2. FORMATION DESCRIPTION		тніскиєза	DEPTH TO BOTTOM OF STRATUM	PVC	Plastic V	yelded	Surface: 12	*
1.000		STRATUM	STRATUM	Diamet	er:in. to in. to	.09.ft. depth	Weight:	ez lbs/ft.
Sand / Gravel		12	12			ft. depth		u,
•				BOREI	HOLE:	ft donth	Drive Shoe	3
Brown Clay		2	14	Dane	er8 3/4 in. to	:01 ft. depth	C Sudia Laci	( <del>U</del> )
Sand - coarse / Gra	vel - small	11	25	8. SCREE	N: 📮 Not installed	- □Grav	el-Packed	
Brown Clay		7	32	Type Sint/Gar	JZ9	Di	iameter	
Coal		2	34	. Set Bet	ween	It. and		
Brown Clay / Gravel		8	42	FITTIN	GS: □K-Pack	er 🗌 Bren	ner Check	
•		11	53		WATER LEVEL:		ичет	
Sand - coarse / Gra		4	57	3	1ft. Below Land		Flowing	
Gray Clay / Gravel		38	95		NG LEVEL: Below L		npingat 4 s	G.P.M.
	861170			Plur	ft. After iger	Air	Те	est Pump
Sandatone		42	137	11. WELLI	HEAD COMPLETION	:		
				. —	ess Adapter	12"	Above Grade	
					ement Offset		II House	
				12. WELL 0		Yes Ientonite	From 10011	o surfat
						Additives	Other Be	n <del>seal</del>
7 1 m					ST SOURCE OF PO		AMINATION:	
The last of the la				i			ft. Direction_	
USE A 2NO SHEET	IF NEEDED			Туре	Dk			
15. ABANDONED WELL PLUGGED?	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · ·		14. PUMP:	A		np Installation	Only
Casing Diameter in.					cturer's Name			
PLUGGING MATERIAL:	Neat Cement	Bentonite	Slurry		lumber of Drop Pipe			is
Cement/Bentonite Slurry	Concrete Grout	Bentonite	,	TYPE:	oldisremdu2			
No. of Bags		Yes	No	PRESS	URE TANK:			
16. REMARKS: (Elevation, Source of	of Data, etc.)			I	cturer's Name			.llons
	Γ.	E MATER	WELL CONT		· · · · · · · · · · · · · · · · · · ·	oupa	WE	
		This well	was drilled	under my jur	ERTIFICATION: isdiction and this rep	port is true to	the best of my	
17. DRILLING MACHINE OPERATO			e and belief					
Employee Subcontracto	or	PEGISTE	SAULA NA	1 Drill	ing Company	<del>/ / :</del>	1686 HEGISTRATIC	IN NO.
Name Darrell Hein		Address_	1/154 6	Jaffa	reon St. Me	anh M	73	
GW-2-228 9/93		Signed	7777	30119		II The		
			HORI	ED BEPAESEN	ATIVE -	1	11/19/	94

#### MICHIGAN DEPARTMENT OF PUBLIC HEALTH

## WATER WELL AND PUMP RECORD

•					
		3	4	5	1
DEC	BRIT BILL	840	If In	7.	

1 LOCATION OF WELL	)							
	Township Name		Fraction	rus kud	Section Number	Town Number	Range Nu	
Distance And Director From Road Int	Mens Jake	<u> </u>	NW145	W 1/4 NW/4 3 OWNER OF	WELL:	2-3 N/S	2-	·E/W
About 125	EASTOF FISH	VILLEK	17/	104	WIDSTE	FFEL		
06 NT 12515	POUTH OF FR	PANCISO	CO 14!		218 Wrigi			
HOOV!				300	Kgan, In	49203		
Street Address & City of Well Location		1500 Rt		Address Sa	me As Well Location	on? 🗌 Yes 🗘	( No	
Locate with "X" in Section Below	S	Sketch Map:		4 WELL DEPTI	H: Date Complete	YEAR New We		
	1 25	į	n	100 FT.		97¦ 🗌 Replacen		
	*	1	au inti	5 Cable to				Dug
w	Shunkk	FRA	235 COR	6 USE: Don			<u></u>	
	3			La Dou			Type III Pub Heat pump	
1 + MI.	\$ X			= "	Wel Type	=		
	$\mathcal{L}_{i}$			7 CASING Diameter	Sizel Threa	ted   Height: Abov	e/Bolowan	
1 MILE		,	. ;		Plastic Wolde	d Surface	ft.	
2 FORMATION DESC	RIPTION	THICKNESS	DEPTH TO	I .	o <u>65</u> ft. depth	Weight	lbs./ft	
		STRATUM	STRATUM	Groude of Dri	Hole Diameter	   Drive Shoe	Yes	
BROWN SA.	nd	23	23	6.8	oft. depth oft. dopth	1	□ No	
				8 SCREEN:	0 II. GODIII	No. In	stalled	
SOFT GRAY	1 CLAY	37	60	Туре		Diameter		
SANDROCKT		10	j	Slot/Gauze .		Longth		
SHAMAGOII	TONNA	10	70.			t. and		
HARA SANDRO	rch	30	100	7 13	Dove screen	Lead Packer [] [ ft. Other	aremer Chec	¢k
11114 37112110	<u> </u>		700	9 STATIC WAT		Tt. Omer	-	
	•			30	ft. below land		[ Flo	w
	``				EVEL: below land s	and the second s	9	
				70	ft. after hrs.	pumping at 30	_ G.P.M.	
					ft. after hrs.	oumping at	_ G.P.M.	
				11 WELL HEAD COMPLETIC		dapter 12" a	ibove grade	
					Basemer			بينو
,	روان با المارين الماري المارين المارين الماري			12 WELL GROU	zTED?	Yes From	to 6	<u> </u>
(2)			e <del>pro</del> 17, has autombul	☐ Neat ce	ment Bento	nite Other_		
25			and a second	No. of bags	of cement 6	Additives		
(A) (A) (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	18/A. A. A.	1 1			ce of possible cont	amination (n)	/	V
\$ 00	7/ 1/ 1/2	1 7.3.5	c vo	Type De	0) / (/ Dista		ction	
0 - 200 100 - 0 - 101	SEPTO	1991	1000 St.	Well disinfector Was old well	ed upon completion?	Yos N		
		<del>/-</del> -	<del>- }</del> -	14 PUMP:	-7		•	1
		1/5	<sup>3</sup>	Manufacture	Not installed	Pump Inst	allation Onl	У .
	All Allers			1	ac 106505472	7-HP 1	oits 23	30
573	TO ALL	1 1 The state of t		Length of D		ft. capacity	10	_ G.P.M.
					Submersible	Jet		
				PRESSURE 1 Manufacture	( ) ( ) ( )	EZL RIVE		
USE A 2ND SHEET IF I	NEEDED			Model numb	1110600	2 Capacity	12	Gallons
15. Remarks, elevation, source of		•			ACTOR'S CERTIF	CATION:		
				li was dolled und ost of my knowle	er my jurisdiction ar dge and belief.	a this report is true		_
			SIB	ACTIMAR!	PONWELL,	Dathling	1559	3
17. Rig Operator's Name:			8	REGISTERED BUSI	NESS NAME	REGISTRATIO	N NO.	
17. Ing Operator, 5 Name.	. :		Address	Commence	War T		:	00
D67d 2/89			Signed	AUTHOR	ZED REPRESENTATIVE	Øato	1-12.	<u> </u>
PAIA MAA				,				

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

TAX NO:	MICHIGAN D WATER V						PER	RMIT NO	:	
1. LOCATION OF WELL	WAIEN	VELL AI	AD FOI	ARC.	REC	OND		50	278	
county Lackson	Township Name		Fraction 500 1/4	*/.aka	Char	Section N		Town N		Range No.
Distance and Direction from Road Inte	GMU LK,		JUJ 1/49	3.	OWNERO	F WELL	<u> </u>	7,5	<i>*</i>	
Jani. 5.05 1	•	on		, .	Address	FWELL S	true,	Le:	291	,
E. side of Fish	willerd.						rish	vi //	e mos	•
Street Address & City of Well Locatio	n				Address S	ame as Wei	Location	Z 70:	s 🔲 No	۱٫.
ocate with 'x' in Section Below		Sketch Map		4.	WELL DEF		Date Comple		A New V	Veil cement Well
				5.	Cable 1	fool	Rotary Auger/B	/ [	Driven	
*	I mysix	io		8.	USE:	Household Irrigation Test Well	Type i f	Public	Type III	
1 Mile				7.		Steel		d I	Height: Ab	pove/Below ft
2. FORMATION DESCRIPTION	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	THICKNESS OF STRATUM	DEPTH TO SOTTOM OF STRATUM		Dlameter:	Other				lbs/ft.
					BORE HOL	in. .E:	toft.	depth	Drive S	ihoe
					Dlameter:	in.	toft.		Shale P	acker
						☐ Not Inst				
			<del> </del>	1	Slot/Gauze			Ler	igth:	
						n			er Check	tt.
					FITTINGS:	bove Screer				
12 44 F					STATIC W	ATER LEVE	iL:		Flowing	<u> </u>
				10		LEVEL: Be				3
				101		ft. After_			ing at	G.P.M. Test Pump
	THE WAR EMPELLATION AND AN ALLAND			11.	WELL HEA	O COMPLE	TION:		Above Gra	
					=	Adapter ent Offset			Above Gra I House	iae
				12.	WELLGRO		□No □	Yes	From	to ft.
1.5					Neat C	ement	Bentoni Additiv	te	Other	
					NEAREST	SOURCEO				
				1	*,		-		_ft. Directi ft. Directi	ion
USE A 2ND SHEET			<u></u>	14.	PUMP:	Not Ins			p Installati	
<ol> <li>ABANDONED WELL PLUGGED?</li> <li>Casing Diameterin.</li> </ol>						er's Name	Flehi	try	Ja 1/1	<u> </u>
PLUGGING MATERIAL:	Neat Cement	Bentonite	Slurry		Model Num Length of I	iber <u>t/f</u> Imp Pine	2505	<i>3.0</i> 2€THP. ft. Cap		Volts_ <u>2-2-0</u>   G.P. M.
Cement/Bentonite Slurry	Concrete Grout	Bentonite	•		TYPE:	Submer	sible .		Other	
No. of Bags_	Casing Removed?	Yes	No	-	PRESSUR		11.	1	In	6
6. REMARKS: (Elevation, Source of	of Daia, etc.)				Manufactur Model Num		1202	Capac	1 20	Gallons 6
		This we	WELL CONT	unde	OR'S CER	TIFICATION	l: is report is	true to ti	he best of	my
17. DRILLING MACHINE OPERATO		knowled	ge and belief	16.	4 - 7	Quan.	_		06	29
Employee Subcontracto	or	REGISTER	EO BUSINEGS NAM	VIE	mg 1	a y	1		REGISTA	RATION NO.
Name		Address	460	Z. [	19	ge.	HUE	<u>.</u>		
P818 0:22-2-1		Signed_	AUTHORI	260 RE	PRESENTATIV	Cooch	teren.	Date_	7-2	2-79