FEB 0 4 1976	WATER V	/ELL REC	∟⊥ CORD		IGAN DEPAI	LLL LLL RTMFNT	Ц
1 LOCATION OF WELL	ACT 294			P	OF UBLIC HEAL	_TH	
County Township Name	1: .	Fraction		Section Number Town	n Number	Range Numb	er
allegan Chesh	ue)	SWIS	W125E14	5	N/8.		∕W.
Distance And Dection from Road Intersections 410 m Wast of 44 th Street March Con Street Location 110 th	Ston		3 OWNER OF	NELL: AR+hur 18935 Fo	Com	pton	
Ja Ca de with	a		Address	18935 70	Rier	1	
	ave				Mich		55
Locate with "X" in section befow	Sketch Map:		4 WELL DEPTI		Completion 27		
			5 Cable t	* — /	Driver		 Dua
			Hollow		Bored		
1 ×			6 USE: X Do	p-0-4		Industry	
				gation Air Condi t Well	itioning	Commercia	al
			7 CASING: T	hreaded Welded	Height: Abo	ve/8elow	
1 MILE	· · · · · · · · · · · · · · · · · · ·		Diam.	1 00	Surface		
2 FORMATION	THICKNESS OF	DEPTH TO BOTTOM OF	1976.5	62 ft. Depth	, , ,		r1
	STRATUM	STRATUM	8 SCREEN:	rt. Depth	Drive Shoe?	Yes K No [<u> </u>
Sand	14	14	Type Jah	NSON R.H. Die		4 <u>"</u>	
n Oal		Zo	Slot/Gause		igth 3 _	ft.	·····
00	- 6		i	67 ft. and 65		<i>U</i> .	
Clay gravel	40	60	Fittings:	4" coupling,	Brame	w	
All The Control of th	7	67	9 STATIC WAT				
A roce		" (_ft. below land surface LEVEL below land surfa		 	
			$\downarrow J$	ft. after hrs. pump	ing	g.p.m.	
				ft. afterhrs.pump	ina	a n m	
				ALITY in Parts Per Milli		g.p	
			Iron (Fe) _	Chlorides	(CI)		
			Hardness	Other			
			12 WELL HEA	D COMPLETION:	n Approved Pi	t	
				itless Adapter 🗶 1			
			1	ed? Yes No	\Box		
			-	Cement Bentonite omft, to	⊢ —ft.		
				urce of possible contar			
				t Direction _			Туре
			15 PUMP:	ected upon completion	- -	10	
			Manufactu	rer's Name	istalled.		
				nber DC J - 75	HP3/4 Volts		
				Drop Pipe 42 ft. cap	pacity G	.P.M.	
			1 ==	Submersible Jet Ro	eciprocating		
				-	,		
USE A 2ND SHEET IF NEEDED 16 Remarks, elevation, source of data, etc.		17 WATER	WELL CONTR	ACTOR'S CERTIFICAT	ION:		
	NO	This we	ll was drilled u	nder my jurisdiction an		is true	
ADDED INFO BY DRILLER, ITEM	110.	Sunk	Kent INTOl	Helling	REGISTRA	3	
*CORRECTED BY	ĺ	REGI	Det. D	NON HOLD			ومسارحونجا
ELEVATION		Address	KILO	758 9400cg	Mich Date 10/	, 410S	
DEPTH TO ROCK		Signed	Duce.	Brindle	Date 101	28/75	
D67d 100M (Rev. 12-68)			AUTHORIZED R	PRESENTATIVE		-7	

AGEOLOGICAL SURVEY SAMPLE No.

GEOLOGICAL SURVEY SAMPLE NO.		
SEP 24 1973	WATER WELL RE	
1 LOCATION OF WELL		PUBLIC HEALTH
County Chesh	re SE%.	SE14SE14 5 / N/\$. 14 \$/w.
Power of the Communication of	ex 44 that	3 OWNER OF WELL: Produces
Street address & City of Well Location	,	RH4 alloan
Locale with "X" in section below	Sketch Map:	4 WELL DEPTH: (completed) Date of Completion
	110 the	5 Cable tool Rotary Driven Dug
W E	and the specimen (i) if they are highly by the statement of the specimen of th	6 USE: Domestic Public Supply Industry
	er st.	Irrigation Air Conditioning CommercialTest Well
1 MILE		7 CASING: Threaded Welded Height: Above/Below Surface ft.
2 FORMATION	THICKNESS DEPTH TO OF BOTTOM OF STRATUM STRATUM	F Tt. Depth Weight 2. / Ibs./rt.
Carl sand	99	8 SCREEN: Radio Dia.: 1 Kg
class on Places	8 17	Slot/Genze Length
and - and	15 32	Set between ft. and ft. Fittings: / troubling themen
1000 di	10 42	9 STATIC WATER LEVEL
The state of the s	70	ft, below land surface 10 PUMPING LEVEL below land surface
		Pumps g.p.m.
		ft. after hrs. pumping g.p.m. 11 WATER QUALITY in Parts Per Million:
		Iron (Fe) Chlorides (CI)
		12 WELL HEAD COMPLETION: In Approved Pit
	1	Pitless Adapter 12" Above Grade
		13 Well Grouted? Yes No Neat Cement Bentonite
		Depth: Fromft. toft. 14 Nearest Source of possible contamination
·		feetDirectionType
		Well disinfected upon completion Yes No 15 PUMP: Not installed
		Manufacturer's Name HP Volts
		Length of Drop Pipeft, capacityG.P.M.
		Type: Submersible Reciprocating
USE A 2ND SHEET IF NEEDED		
16 Remarks elevation, source of data, etc.	This we	WELL CONTRACTOR'S CERTIFICATION: Bill was drilled under my jurisdiction and this report is true
CIED HA	Die REG	POST of My knowledge, and belief. 191 ERED BUSINESS NAME RESISTRATION TO.
* ADDITION	Address	R # Hobbes 70 49055
DA7d 100M (Rev. 12-68)	Signed	AUNTHED REPRESENTATIVE May 3 20.73

ΜI

CHIGAN DEPARTMENT WATER WELL AND	OF PUBLIC HEALTH PUMP RECORD	PERMIT NUMBER:
```````````		

1 LOCATION OF WELL 03011405001				Tax Parcel No.
County Township Name ALLEGAN CHESHIRE		Fract SW	ion 1/4 SW 1/4 SE	Section No. Town No. Range No. 1/4 05 01 N 14 W
Distance And Direction From Road Intersection		·····	3 OWNER OF WELL Address	RICHARD CUMMINGS 4493-110TH. AVE.
4493-110TH. AVE., ALLEGAN 49010 Street Address & City of Well Location			•	ALLEGAN, MI 49010 s Well Location? [x] Yes [] No
Locate with 'x' in Section Below S	ketch Map:		4 WELL DEPTH: 44.0 ft.	Date Completed [x] New Well [J Replacement Well
W E THAS			[] Hollow rod 6 USE []Domestio [x][rrigat	[] Rotary [] Driven [] Dug [] Auger/Bored [] Jetted c []Type I Public []Type III Public ion []Type II Public []Heat Pump
110 the c		ısl	7 CASING: [x] SI	
2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	0.00 in. to Grouted Drill	
GRAY CLAY			0.00 in. to	17.0 ft. depth [] No [] No [] No [
FILL SAND	1.0	1.0	8 SCREEN Type Stainless	[] Not Installed Steel Diameter 4.00
TOP SOIL	1.0	2.0	f SLOT 0.015	Length 9.0 35.00 ft. and 44.00 ft.
SAND	11.0	13.0	<pre>FITTINGS: [x]K-</pre>	-Packer []Lead Packer []Bremmer Check e screen 0.5 ft. []Other
GRAY CLAY	13.0	26.0	9 STATIC WATER LE	
SAND AND GRAVEL	18.0	44.0	17.00	ft. below land surface [] Flow
			17 ft.aft	: below land surface ter 2.0 hrs.pumping at 50 G.P.M. ter 0.0 hrs.pumping at 0 G.P.M.
Mich. Dept.	ELVE)	11 WELL HEAD COMPLETION:	[]Pitless adapter [x]12" above grade []Basement offset []Approved pit
DEC 2	3 1996	lealth	12 WELL GROUTED? [x]Neat cement No. of bans of	[]No [x]Yes From 0.0 to 17.0 ft.] t []Bentonite []Other F cement 3 Additives
BUREAU OF ENVIR OGGUPATIONAL	t :	AND OS	13 Nearest source Type Septic	e of possible contamination Distance 100 ft. Direction SW sed upon completion? [x]Yes []No
>			Manufacturer's Model number	HP 1 Volts 230
			Length of Drop TYPE: [x]Sul PRESSURE TANK: Manufacturers	
de B	-P - 90/800 to 0.0 U (Model number	Capacity Gallons
15 Remarks, elevation, source of data, etc. NITRATES OK STRIP KIT		This we is true	to the best of my	der my jurisdiction and this report / knowledge and belief.
Data Source: MDNR	į		APSON Well T REGISTERED BUS	
17 Rig Operator's Name: JOAN THOMPSON		Address Signed_	3471 - 126#4 AUHORIZED #	

AUTHORITY: Act 368 PA 1978 COMPLETION: Required PENALTY: Conviction of a violation of any provision is a misdemeanor

Exploratory TD 1800 in Boks Mane (?) Dry

C. F. Kimmell and G. H. Schrack

	F.	Too.	Hamilton	No.	1
--	----	------	----------	-----	---

Permit No. 573.

Didlling Confractor:	To M	1. Voortges
----------------------	------	-------------

	Drilling Contractor: T. N. Voortsop		
Locations	MEt SWt Section 5, T.ln., R.14W. on F. L. Hamilt 390° from north and 300° from east line of quart	on farm. er section.	
Elevation:	684.5 fest above sea lovel.		
Record by:	R. B. Newcombe compiled from samples and driller	°s log. Thickness (feet)	Depth (feet)
PLEISTOCENE:			
Dr ift :			
Drift		227	2 2 7
Sand		138	(365)
		(365)	Separate Marian Separate Maria
MISSISSIPPIA	Ni o		
Coldwater:	.vv •		
	gray, hard, calcareous	27	392
Shale,		78	470
	dark gray, hard	10	480
Shale,		25	505
Limesto Shale	no, gray	5	510
	no, red, calcareous, shalo	117	627
The state of the s	noo a caro perspers desired singles	13 (275)	640
Ellsworth:	•	(4/5)	
Shale,	greenish gray	375	1015
MISSISSIPPIA	U_DKVONTAN:		
	assibly some Ellsworth in upper part, Traverse		
Formation	in lower part) (Pre-Report-base of Antrin @ 11;	in)	
Shalo, I	plack and brownish black	190	1205
Transfer to the section of the		and go do	
DEVONIAN:			
Traverse D	mose: 19, buff and light buff (water at 1290)	9.4.	
Limeston	10, gray and buff (some line sand-calcarenite)	160	1365
Limeston	19, bull	15 15	1360 1395
	oo, gray to buff (cherty)	15	1410 CKCT
Limeston	m, buff to gray	20	1430
Shale, I	due gray and limestone, charty (pyritous)	5	14:35
	e, brownish buff, porous	25	1460
	no, light buff	15	1475
T A am at an A man	19, brownish buff (water at 1450)	28	1503
i demonstrate	e, brown, poroue, crystalline	17	1.520
CASING	2.m. 0 m. 100 m.	20	1540
RECORD		(335)	

RECORD

10" 227' 84" 458' 1673' P.FA.

Exploratory TD 2598 in Clinton-Cataract Dry

Worth Exploration Company

Wodge-Lickley Unit No. 1

Permit No. 24130

Drilling Contractor: Calvert Drilling Co. (Rotary)

SWA NEA SWA Section 5. T. IN. R. 14W. 1636.2 feet from South and 1639.5 feet from West line of quarter section

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

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

the second secon	J4 /		
PLEISTOCENE: Deift:	Thickness (feet)	Depti	
Gravel to sand, coarse, uncorted	185	185	ichj.
MISSISSIPPIAH: Coldwater:		Comment of the second	<i>)</i> -
Clay, medium to dark gray, plastic, "gumbo-like" Clay as above: trace shale, medium gray, slightly lam Shale, gray (light to medium), trace limestone to dol	inated 6	199 205	
limestone found throughout redrock Shale, red, hematitic: trace dolomite, light gray, me	427	632	
to finely orystalline, dense	20 (467)	652	S chj.
Elleworth:	(with		
Shale, light gray, silty; shale, light green gray Shale, medium gray green and medium green, slightly	348	1000	
Carbonaceous (light Antrim)	7 5	1075	
Shale, black, carbonaceous and dark green	71 (494)	1146	Schj.
Mississippian-devonian: Antrim:			
(Shale), black to brown, spores Shale, light gray, slightly calcareous and shale as a	504e	1194	
(30%)	31	1225	
Shale as above; with trace pyrite	23	1248	Schj.
DEVONIAN: Traverse Formation:	(102)		
Shale, as above; trace limestone, gray, micritic	17	1265	
Shale and limestone as above, pyrite Limestone, tan, micritic to finely crystalline, dense	7	1272	
shale as above	27 (51)	1299	Schj.
COMPLETE Fraverse Limestone: 7-3-6 Limestone, tan, white, mottled, dolomitic, medium gree detrital to micritic, fair porosity; trace sandstone CASING	in,		
RECORD part, fluorescence (1314-1319 cil stained)	in 35	1334	
858" 2C2/			

TAX NO.				MP RECORD
	Township Name	Section No. Town No. Range No.		
	chesture		Fraction 5 1/4 5	SUN145F1/4 5 7/1/ RILL
Well located . 4		UHIM	<u> </u>	3. OWNER OF WELL WILLOW Brook Hornes
ه هم دادين	1107 th K110		- '	Kalamazoo, mz 19009
Street Address & City of Well Location Locate with 'x' in Section Below	4481 115+ AVE	Alleum	n	Address Same as Well Location Yes No
Locate with 'x' in Section Below	Ske	tch Map		4. WELL DEPTH: Date Completed New Well
	.4			5. Cable Tool Rotary Driven Dug
w	and the second state of th	110+1	405	Hollow Rod Auger/Bored Jetted
1 1 1 1 1 2 MI.		th 5t.		6. USE: Household Type I Public Type III Public
	144	∵ †		☐ Irrigation ☐ Type IIa Public ☐ Heat Pump☐ Test Well ☐ Type IIb Public ☐ ☐
1 MILE				7. CASING: Steel Threaded Height Above Below
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Plastic Welded Surfaceft
~ ·		- MOION آد و	JIMIUM E	Diameter: 4 in. to 36 ft. depth Weight: // lbs/ft
Sand		4	4	BORE HOLE:
Moist Sand	<u> </u>	9	13	Diameter:in. toft. depthShale Packerin. toft. depth
Hard Shire Chi	y 	4	//	8. SCREEN: Not Installed Gravel-Packed
Chy/ Sand		5	22	Type 5.5 Diameter 5 Slot/Gauze Length: 4
Dand		18	40	Set Between ft. and ft. FITTINGS: KK-Packer Bremer Check
	iio Sini			Blank Above Screenft. Other
<u>.</u>	4			9. STATIC WATER LEVEL: ft. Below Land Surface Flowing
				10. PUMPING LEVEL: Below Land Surface
CRIES CO	2000 1000 1000 1000 1000 1000 1000 1000			ft. After hrs. Pumping at G.P.M. Plunger Bailer Air Test Pump
				11. WELL HEAD COMPLETION:
	M RET			Pitless Adapter Above Grade Basement Offset Well House
W CH				12 WELL GROUTED? No Yes From 700 to 36
				Neat Cement Bentonite Other Bruses
				No. of Bags 2 Additives 13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
				Type Distance ft. Direction WH
USE A 2ND SHEET IF	[Type Distanceft. Direction 14. PUMP: Not Installed Pump Installation Only
15. ABANDONED WELL PLUGGED? Casing Diameterin.	└── Yes └── No Depthft.			Manufacturer's Name
PLUGGING MATERIAL:	Neat Cement	Bentonite :	· · · · · · · · · · · · · · · · · · ·	Model Number // Volts 30 Length of Drop Pipe 2/ ft. Capacity / G.P. N
Cement/Bentonite Slurry No. of Bags		Bentonite ('	TYPE: Submersible Jet Other PRESSURE TANK:
16. REMARKS: (Elevation, Source of	Data, etc.)			Manufacturer's Name Armfro/
Well Installed B	fore Septic	\A/ATE=	MELL OCC	Model Number 202 Capacity 20 Gallons 6, 2
· · · · · · · · · · · · · · · · · · ·	18	This well	was drilled	TRACTOR'S CERTIFICATION: I under my jurisdiction and this report is true to the best of my at
17. DRILLING MACHINE OPERATOR:			ge and belief	Polen Well Drilling BUBB
Name Subcontractor	the	REGISTEREI Address	D BUSINESS NAM	Here Well Prilling By BB REGISTRATIONNO. 42nd 51 Hilles With Here House NEED REPRESENTATIVE Date 10 - 2 - 8 - 7
GW-2-228 9/93		Signed	ر ورن کی اور د ورن کی کرم	Melow Date 10 -20 800
		_ g,	AUTHORIZ	PIZED REPRESENTATIVE

GEOLOGICAL SURVEY SAMPLE No.						
. 2 1010	WATER	WELL REG	CORD	ﺎ ﻟــــﺎ ﻟـــــــــــــــــــــــــــــ		A DIMENIT
1 LOCATION OF WELL	ACT 25	94 PA 196		ľ	MICHIGAN DEPA OF PUBLIC HEA	
County - Township Name	<u> </u>	Fraction		Section Number		Range Number
Allegan Chesh, Distance And Direction from Road Intersections To mi West of 44th St.	RE	5E1S	W145E14	5	N/8.	14 ×10
3/2 mi West of 44th St.	on Non	th	3 OWNER OF W	ELL: WilliA	m Elma	R
SO Wight	•	-	Address	6763	Seminol	'e
Street admiss of ty of Well Location Ve				Detroit	Mich.	48213
Locate with 16 in section below Sk	ketch Map:		4 WELL DEPTH:	(completed) [Date of Completio	л
			5 Cable too	70 ft. □ n	7/25/75 rv	<u> </u>
			Hollow ro	od 🗶 Jette	ed Bore	
W			6 USE: Dome		ic Supply	Industry
				ation 🔲 Air (Conditioning	Commercial
			Test 7 CASING: The	Well Wolder	d	/P-1
1 MILE			Diam.	eaded [A Weldet	Surface	
2 FORMATION	THICKNESS OF	DEPTH TO BOTTOM OF	_2.in, to	67ft. Depti	h Weight	
0 1	STRATUM	STRATUM	in. to 8 SCREEN:	ft, Dept	h Drive Shoe	? Yes 🗶 No 🗌
Jand	18	18		ISAN RH	Dia.;	K*
0000000	wert?		Slot/Gause	15	Length	if
Clay gravel		20	Set between _	67 ft. and	70 ft.	
Line Sand & gravelde	4 37	62	Fittings:	Carolina	Bremer	استع
00000	N		9 STATIC WATE	R LEVEL //		<u> </u>
Course and Clean	9 10	72	30	t. below land sur	face	
				VEL below land s	surface oumping	
			'	arter ms. p	odinping	g.p.m.
			f	t. after hrs. p	oumping	g.p.m.
				ITY in Parts Per		
			(re)	Cntor	ides (CI)	
			Hardness	Other		
					In Approved P	
			13 Well Grouted	ess Adapter [12" Above Gra	ade
				ment Bentoni	te 🔲	
. · · · · ·			Depth: From)ft. t	oft.	··
				ce of possible co	ntamination on	Туре
					ion X Yes N	
			15 PUMP:		ot installed	
	-			's Name (10/		***
					HP Volts	
			Type: Su		capacity G	. r . IVI .
			∑ 7e		Reciprocating	
USE A 2ND SHEET IF NEEDED			· • • • • • • • • • • • • • • • • • • •			
16 Remarks, elevation, source of data, etc.		×.		TOR'S CERTIFIC		
ADDE		This well	was drilled und my knowled	er my jurisdiction de and belyer)	and this report i	is true
ADDED INFO BY DRILLER, ITEM NO *CORRECTED_BY_{\begin{subarray}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	υ.	Silna REGIS	TERED BUSINESS	Mrellen NAME	REGISTRA	5 <u>5</u> (TION NO.
CONNECTED BY TY		Address	BH, RX	54 LL.	le m.	1
ELEVATION			1	1. 10	-1, 1-12	- M.
DEPTH TO ROCK		Signed 🟒	Duce 1	Sundle	Date 7	28/75

MICHIGAN DEPARTMENT OF PUBLIC HEALTH GEOLOGICAL SURVEY NO. WATER WELL AND PUMP RECORD LOCATION OF WELL Fraction Section Number Range Number Allegan Nw 1/4 SW/4 V W/4 Distance And Direction From Road Interse 3 OWNER OF WELL: Jeaden Address N. 46 5 56 Street Address & City of Well Location Address Same As Well Location? Yes 4 WELL DEPTH: Date Completed New Well Locate with "X" in Section Below Sketch Map: Mo. 1 Bay 1 150 Replacement Well 102 ET. 5 Cable tool Rotary Driven Hollow rod Auger Jetted 6 USE: Domestic Type I Public Type III Public Irrigation Type IIa Public Test Well Type IIb Public 7 CASING: Steel Threaded Height: Above/Below Plastic Welded Surface ____ THICKNESS DEPTH TO BOTTOM OF STRATUM _ in. to _____ ft. depth 2 Weight // Ibs./ft. FORMATION DESCRIPTION OF STRATUM ____ in. to _____ ft. depth Grouted Drill Hole Diameter Yes Yes Drive Shoe ___ in. to ____ ft. depth □ No in. to _____ ft. depth Not Installed 55 Wish Diameter ___ 35 ft. and $\frac{102}{102}$ ft. FITTINGS: K-Packer Lead Packer Bremer Check
Blank above screen 5 ft. Other 9 STATIC WATER LEVEL: 8 103 ft. below land surface
10 PUMPING LEVEL: below land surface ____ ft. after _____ hrs. pumping at _____ G.P.M. _____ft. after _____ hrs. pumping at _____ G.P.M. 11 WELL HEAD Pitless adapter 12" above grade COMPLETION: Basement offset Approved pit 12 WELL GROUTED? ☐ No ☑ Yes From ______ to _____ ft. SCREAU OF ENVIRONMENT AL AND Bentonite Other___ Neat cement No. of bags of cement 3 13 Nearest source of possible contamination Type SEPTIC Distance 80 ft Direction _ Well disinfected upon completion? Was old well plugged? 14 PUMP: Not Installed Pump Installation Only HP <u>よ</u> Volts <u>え</u>3つ __ft. capacity ______ G.P.M. Submersible ____ Jet ____ PRESSURE TANK: 202 XTR01 Manufacturer's name ___ USE A 2ND SHEET IF NEEDED Model number _ 16. WATER WELL CONTRACTOR'S CERTIFICATION: 15. Remarks, elevation, source of data, etc. This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. McKennsy Well Drilling 03-1696
REGISTERED BUSINESS NAME REGISTRATION NO.

17. Rig Operator's Name;

D67d 2/89

GEOLOGICAL SURVEY SAMPLE No.						
FEB 13 1984	WATER	WELL REC	CORD	M	ICHIGAN DEPA	RTMENT
1 LOCATION OF WELL	ACT 2	94 PA 196	55		OF PUBLIC HEAD	LTH
County HILLEGAN ChESHII	PE	Fraction 1/4	1/4 1/4 S	ection Number	Town Number	Range Number P, //≭/W.
Distance And Direction from Road Intersections 75 FT WEST OF 444 ST.			3 OWNER OF WE	ERLEV	RING	
1066 44 ST. CHISHIRE N	rich		Address 10	66 44.		TSHIKE
Locate with "X" in section below Sketc	h Map:	المعادلات والمعادلات و	4 WELL DEPTH:	(completed) Da	até of Complétion	1
	₩.		5 Cable tool Hollow rod	Rotary Jetted	Driver	
J J J J J J J J J J J J J J J J J J J	<u>a</u>		6 USE: Domes	tion 🔲 Air Co	Supply	Industry Commercial
I MILE			7 CASING: Three		— '' • • • • • • • • • • • • • • • • •	ve/Below
2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	2 in. to 2 in. to	25 ft. Depth 29 ft. Depth		
GRAVEL + SZNd	20	+	8 SCREEN:		Drive Shoe?	Yes No
CLay + GRAVEL	1	26	Slot/Gauze	NLESS 60	Dia.; /// Length ///	
WATER SAND	17		Set between 2	60 -9 ft. and 3		
WATER SANCE	/	33	Eittings: 1 EVI 9 STATIC WATER	MER (CHECK	12
			ft. 10 PUMPING LEV	below land surfa	nce	<u> </u>
			10	after hrs. pu	~)	g.p.m.
				after hrs. pu		g.p.m.
				Chlorid		OWN
			Hardness	Other .		
			12 WELL HEAD CO	OMPLETION:	In Approved Pit	
			13 Well Grouted?	Yes No		16
			Depth: From_	ft. to	ft.	
Company of the second			14 Nearest Source	of possible con AST Direction	s EPTI	C Type
Rich Con Con Con	er et joden		-	ed upon completio		
<u> </u>			Manufacturer's		installed .	
Edvir amonist is	101		Model Number	10	_ HP 2 Volts	
Gussal a Shair And Services Administr	1101. 140.		Length of Drop Type: 🌅 Subi		apacity <u>&</u> G.F	'-M.
A State of the Sta	N.On		₽ Jet		Reciprocating	
USE A 2ND SHEET IF NEEDED 16 Remarks, elevation, source of data, etc.		17 WATER W	ELL CONTRACTO	OR'S CERTIFICA	ATION:	
ADDED INFO BY DRILLER, ITEM NO- CORRECTED BY ADDITION BY ELEVATION		This well to the bes	was drilled under t of my knowledge	my jurisdiction as and belief.	and this report is	//
DEPTH TO BEETH D67d 100M (Rev. 12-68)		Signed 2	SCI COZULIUTHORIZED REPRES	1) Sep	_ Date 10/2	8/83

GEOLOGICAL SURVEY SAMPLE No.

GEOLOGICAL SURVEY NO.				F PUBLIC HEALTH. JMP RECORD	
1 LOCATION OF WELL		VVLLL	AND F	DIVIP RECORD —	PERMIT NUMBER
.County	Township Name		Fraction	Section Number	Town Number Range Number
Allegan	CHESH!	10	1/4	SEVANIEVA S	N/S 14 E/W
Distance And Direction From Road	Intersection			3: OWNER OF WELL:	
4	re _{es}		,	Roger Smith	SANHAG ravel
			1	3641-108 th 100	SANdd bravel
treet Address & City of Well Locat ocate with "X" in Section Below			·	Address Same As Well Location	n? Ll Yes 🗗 No
The section below	S	Sketch Map:		4 WELL DEPTH: Date Complete	d YEAR New Well
		+12		56FT. 7 24 1 5 Cable tool Rotary	
	(DT) 4.			Hollow rod Auger	☐ Driven ☐ Dug☐ ☐ Jetted ☐
				6 USE: Domestic Type I	<u> </u>
	1			Irrigation Type II	
	WH			7 CASING: Steel Thread	
1 MILE				Plastic Welder	
FORMATION DES	CRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	in. to ft. depth in. to ft. depth	Weightlbs./ft.
			S.HATUW	Grouted Drill Hole Diameterin. to ft. depth	Drive Shoe Yes
SAUS		12	12	in. to ft. depth	□ No
n/as		37	Ma	8 SCREEN:	Not Installed
SANA CLAY SANA		3/	49	Type	Diameter
5 ANd				Slot/Genze[
			o.	FITTINGS: K-Packer	Lead Packer Bremer Check
				Blank above screen 5 f	t. Other Plug
				ft. below land	surface Flow
				10 PUMPING LEVEL: below land sur	face
<u> </u>				ft. after / hrs. p	
	<u> </u>			ft. after hrs. p	oumping at G.P.M.
				11 WELL HEAD COMPLETION:	· =
				Basement	
					Yes From to ft,
				Neat cement Benton	
				No. of bags of cement A 13 Nearest source of possible contar	additives
		<u> </u>		Type Distance	
•				Well disinfected upon completion?	Yes No
				Was old well plugged?	Yes No
				Manufacturer's name	Pump Installation Only
	ay be see no	F 7 8 440	***5.	Model number 10505	
	National Contract Con	3 7 5	7	Length of Drop Pipe	ft. capacity G.P.M.
	e in the second of the Color	1 32 - 12 - 1	403318	TYPE: Submersible PRESSURE TANK:	
		7 7392		Manufacturer's nameWe	11 XTYOI
use a 2ND SHEET IF Remarks, elevation, source of			16. WATER	Model number WELL CONTRACTOR'S CERTIFIC	Capacity Gallons
	Call Calendary		This well	was drilled under my jurisdiction and st of my knowledge and belief.	this report is true
	1. 1945年刊 - 1. 1974年 李建安公司 1245年 - 2.	emercloded die	. prince of		12-1691
Rig Operator's Name:			<i>p</i> , 1 ← / 1	ENT EU WELL Dr. III n	REGISTRATION NO.
STANI In	ctenney		Address	3146 melodee PH	DY. Allegon MI410
1 2/89	- Ansy		Signed	AUPHORIZED REPRESENTATIVE	Date Suly DG T
	/			Auth	ority: Act 368 PA 1978 pletion: Required
	C	HOLOGIC/	M. SURVEY	Dana	

	R WELL	AND PL	JMP RECORD	PERMIT NUMBER
1 LOCATION OF WELL County Township Name		F		
Allegan Cheshic	a	Fraction SF 1/45	Section Number 5	Town Number Range Number
Distance And Direction From Road Intersection H. and	110th	٠, ما	3 OWNER OF WELL:	= 7,5
about 210 north of 110this.	110 mmG1 (1)	inol	Richard C	ummings
	A 4.2		Audiess TF13-110-av	e. Allegan, Mich. 49010
Street Address & City of Well Location 4509 - 110 c., Locate with "X" in Section Below	IE. Allegon	Λ	Address Same As Well Location 4 WELL DEPTH: Date Completed	
	•	1.	40 FT. MO. DAY	YEAR X New Well
- - - - -		44254.	5 Cable tool Rotary	Driven Dug
w	Flomi.		Hollow rod Auger 6 USE Domestic Type I F	Jetted
200 2 MIL.			Irrigation Type Ila	Public Heat pump
1102	ave.		Test Well Type IIb 7 CASING: Steel Threade	
1 MILE	THICKNESS	DEPTH TO	Plastic Welded	Surfaceft.
2 FORMATION DESCRIPTION	OF STRATUM	BOTTOM OF STRATUM	in. to ft. depth	Weight 3.15 lbs./ft.
Sand	13.1	\.\ ¹	Grouted Drill Hole Diameter in, to ft, depth	Drive Shoe Yes
_	11		in, toft, depth 8 SCREEN:	Not Installed
Red Clay	<u>a'</u>	_13		iameter 2"
Gray Clay & Gravel	13'	26	~> <i>t</i>	angth 4'
Gray Clay @ Sand @ Gravel Stree	ille 6'	3 a'		ead Packer Bremer Check
	8		9 STATIC WATER LEVEL:	Other
Gravel	<u> </u>	40'	ft. below land s	urface Flow
Formation did not end			alte a	umping at G.P.M.
				umping at G.P.M.
		_	11 WELL HEAD Pitless ada	pter 🔀 12″ above grade
			12 WELL GROUTED?	Offset Approved pit Yes Fromtoft.
E STATE CONTROL OF THE CONTROL OF TH			Neat cement Management Bentoni	
- 1 日本			No. of bags of cement A	
			13 Nearest source of possible contam	
			Type Distanc Well disinfected upon completion?	Yes No
			Was old well plugged?	Yes No
			Manufacturer's name	Pump Installation Only
			Model number	HP Volts
			Length of Drop Pipe TYPE: Submersible	ft. capacity G.P.M.
			PRESSURE TANK: Manufacturer's name	
USE A 2ND SHEET IF NEEDED				Capacity Gallons
15. Remarks, elevation, source of data, etc. Tight Pumper Sugest use of deep) well	This well	WELL CONTRACTOR'S CERTIFICATION was drilled under my jurisdiction and	ATION:
Pump for good capacity		to the be	st of my knowledge and belief. owason Well Drilliv	
17. Rig Operator's Name:	1	Address	EGISTERED BUSINESS NAME	J REGISTRATION NO.
John Thompson		Signed _	John Thompson	
67d 2/89		. 5.,00	AUTHORIZED REPRISENTATIVE	

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

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

AND CONTRACTOR OF THE PROPERTY			
MAY 0 6 1983	WATER S	WELL REG	es MICHIGAN DELANIMENT
1 LOCATION OF WELL County Township Name	48	Fraction	PUBLIC HEALTH
Allegan Cheshine			Section Number Town Number Range Number N/S. 14 N/S. 14 N/S. 14
Distance And Direction from Road Intersections 14 Mile West 44 St.			3 OWNER OF WELL.
1300 North of 110th A	ve_		Addressy 59 110 thave R#4
Street address & City of Well Location Locate with "X" in section below Skete	h Map:		Allegan Mich 49010
N ONO.	map,		4 WELL DEPTH: (completed) Date of Completion 40 ft.
			5 Cable tool Rotary Driven Dug
w			Hollow rod Jetted Bored 6 USE: Domestic Public Supply Industry
			Irrigation Air Conditioning Commercial
115th Au	9	İ	7 CASING: Threaded Welded Height: Above/
1 MILE	THICKNESS	DEPTH TO	Dialii,
2 FORMATION	OF STRATUM	BOTTOM OF STRATUM	3
Top Sand		21	8 SCREEN:
14-11	01	, ,	Type: Slotted S Dia.: 14 Slot/Gauze 10 Length 48"
Yellow Clay	8'	10	Set between 36 ft. and 40 ft.
Clayana Bolders	15	25	Fittings: 114" Coupling - 2" Check Value
Blue Class	7'	32'	9 STATIC WATER LEVEL ft. below land surface
Wt S. I C	91		10 PUMPING LEVEL below land surface
Water Sand Corse	7	41	ft. after hrs. pumping g,p,m.
			Mahine Esled 12 gipm, ft. after hrs. pumping gip.m.
			11 WATER QUALITY in Parts Per Million: Iron (Fe) Chlorides (CI)
			CONTROL CONTROL
			HardnessOther
			Pitless Adapter 🔀 12" Above Grade
			13 Well Grouted? Yes No Neat Cement Bentonite
RECEIVED			Depth: Fromft. toft. 14 Nearest Source of possible contamination
Mille Dopte de Paleto Falali	:		loo feet S. Direction Septic Type
### Q \$ 1 K B			Well disinfected upon completion Yes No
Talk in the control of the			Manufacturer's Name
Control of the first of the fir			Model Number HP Volts Length of Drop Pipe ft. capacity G.P.M.
Sau veess 7.55.11.116.11.11.018			Type: Submersible
			JetReciprocating
use a 2ND SHEET IF NEEDED 16 Remarks, elevation, source of data, etc.	· · · · · · · · · · · · · · · · · · ·	17 WATER W	WELL CONTRACTORS OFFICE AT THE STATE OF THE
ADDED INFO BY DRILLER, ITEM NO.	, I	This well	WELL CONTRACTOR'S CERTIFICATION: was drilled under my jurisdiction and this report is true
GORRECTED BY		H u	TERED BUSINESS NAME REGISTRATION NO.
••ADDITION BY ELEVATION		Address	322 S. Cooder St Allegan Mich
DEPTH TO ROCK	136	Size of Control	322 S. Cooder St Alkyan Nich Date Hold Date 10-30-82
D67d 100M (Rev. 12-68)		oigned	AUTHORIZED REPRESENTATIVE

GEOLOGICAL SURVEY SAMPLE No.	žš		<u></u>			
MAY 10 6 1983	1.0					
)	WATER ACT 2	WELL RECOR	₹D	٨	MICHIGAN DEPA	ARTMENT
1 LOCATION OF WELL County	ACT 2	94 PA 1965			OF PUBLIC HEA	LTH
101/		Fraction		ction Number	Tawn Number	Range Number
Alleyan Cheshire Distance And Direction from Road Intersections	ge Til Timor of the company of the company	5.W 45.W 14		.5	Nás.	14 \$/W.
1/2 MEW 4499			WNER OF WEL		eler.	
Street address & Hity of Well Location		Ad	_{Idress} La C	ury STa	or y	
Street address a lity of Well Location Decewith in section below State			449	5 11	ate of Completio	P
Sket	ch Map:	4 w	ELL DEPTH: (completed) [ate of Completio	ì
		5.	39_	ft.		
			Cable tool Hollow rod	Rotai		= ","
W			SE: Doniesi			Industry
			·	on Air C		Commercial
110 7 40) e	7.0	Test We			
1 MILE		Dia	ASING: Threa am.	ded Welded		
2 FORMATION	THICKNESS	DEPTH TO	ئے in. to	35/3 _{ft, Depth}	Surface Weigh 3.69	
ONWATION	OF STRATUM	1	in. to	ft, Depth		
Sal						
June		Typ	pe: <u>5.5</u>	1 m - 1 lm	Dia.: 1/4 Length	··
Hard Papa Bolders	14'	38 Set	ot/Gauze	5ft, and	Length	
	11	1 1 1	tings;	π, and	5-7 ft.	
Clay Yellow	6	34 1	12 cou	0 -12"	set Length	2"Chru
Water Sand and Gravel	//	40' 9 STA	/ **			
- Clark			UMPING LEVE	below land surf L below land s	ace urface	
					umping	g.p.m.
	ĺ		Mach 1	ested	7 9.P.M) ,
	 	11 ///	ft, a	after hrs. po Y in Parts Per N	umping	g.p.m.
					des (CI)	
		Ha	ardness	Other		
		. 12 WE	ELL HEAD CO	MPLETION:	In Approved Pit	
		13 _{We}	eli Grouted?	Yes K No	, 12" Above Gra	de
				nt Bentonit	е 🔲	
	/	D ₆	epth: From	ft. to	ft.	
		14 Ne	arest Source	of possible cor	Septic Sy	g /
	}				on X Yes No	
		15 PU	JMP:		t installed	
Mah. Cala Calabana		Ma	anufacturer's	Name		
					HP Volts	
710 <u>4 5 8 3</u>			ngth of Drop pe: Subm		capacityG.F	°.M.
a golden			Jet:		Reciprocating	
USE A RNO SHEET IF NEEDED				Taranta Land	,	
16 Remarks, elevation, source of data, etc.	L	17 WATER WELL (CONTRACTO	R'S CERTIFIC	ΔΤΙΟΝ:	
ADDED INFO BY DRILLER ITEM NO.		This well was d	drilled under n	ny jurisdiction	ATION: and this report is	true
*COODECTED BY		to the best-on m	BUSINESS NAM	and belief.		
• • ADDITION BY ELEVATION					REGISTRAT	ION NO.
ELEVATION DEPTH TO ROCK		Address 3	<u> </u>	. Coade	or 51 F	Megan
UETIT ID ROOM		Signed C	me do	March	Date 7 - 3	mich
D67d 100M (Rev. 12-68)		AUTHOR	TIZED REPRESE	NTATIVE	Date /	7-0-

GEOLOGICAL SURVEY SAMPLE No.								1
		WATER WE		: 1/ 3	· · · · · · · · · · · · · · · · · · ·	MICHII	GAN DEPAR	TMENT
1 LOCATION OF WELL		ACT 294	PA 1965	X		Р	OF UBLIC HEAL	LTH 5-
County Twp	Cheshin	R	Fraction 5F 4.51	545W4 3 OWNER	Section No.	Town	Rar N/S. 11	nge
Distance And Direction from Road Inter-		WNER No						Tu
Street He of Street Williams	of mill	Deal of 4	中级大	Address	Wesle	y Ma	r Eu	Rec 9
Street address & City of Well Location 2 FORMATION	17#4 C	THICKNESS	DEPTH TO	4 WELL DE	EPTH: (com	alatad)	Colum	ment Cl
2 FORMATION		STRATUM	BOTTOM OF STRATUM	52		4.4	te of Complet	8
redound		114	W.C	5 Cabi		Rotary Dr Jetted	Driven	Dug
blue of	× 0	9	11	6 USE:	Domestic	Public Su	pply 🔲	Industry
D D	o granvel	+++-	3		Test Well		<u></u>	
Charles of	rover	+	46			Welded 🗌		A CHARLESTON
Jand & grov	el	6	52	in. to	, ,	ft. Depth	Weight 7	ibs/ft.
deity and)	3	7	8 SCREEN:		ft. Depth	Drive Shoe?	Yes No
		(Туре;	MARINA	Di Di	io.:	4
				Slot/Gauz			ength	3 /X
				Set betwe	111	ft. and <u>5</u>	. , ,	(, , , ,)
				Fittings:	1 4 1		ng & l	remer
				9 STATIC V	ft. below	land surface		
						low land surfa		
						hrs. pumpi hrs. pumpi		g.p.m.
	170700					Parts Per Mill		g.p.m.
						Chlorides		
				Hardness_		-Jon	Quati	ひ
				IZ WELL HE	AD COMPLI Pitless Add	ETION: Ir	n Approved Pi 2'' Above Gra	
				13 GROUTIN				
				Material: (☐ Neat Ce	ement		
				Depth: Fr	romft. Y:	toft.		
				Nearest Sc	ource of pos	sible contamin		
				Well disin		Direction		
				15 PUMP:	W. A.	instati		imb
				Model Num	, or a 14ding_		HP	
				_	Drop Pipe Submersible		cityG,	P.M.
6 Remarks, elevation, source of data, et			17		Jet	☐ Red	ciproceting	
ADDED INFO. BY DRILLE			This well	VELL CONTR was drilled u	nder my juri	sdiction and t		true
~ ~	ng 115.00 Miles		TO THE BES	st of my knowl	eage and be	,1101. X	13	ا ج ح
# ORECTED BY	ing the second s		RE	GISTERED BUSI	NESS NAME	T Min	REGISTRA	ATION NO.
** MOITION BY	ica ica		Address_ Signed_	House d	Ben St	Day Da	103	-68
D67D 100M 6-66			**** X	UTHORIZED KEP	RESENTATIVE	· /	•	•

GEOLOGICAL SURVEY SAMPLE No.						
	WATER \	NELL DEC	``	ا لــــا لـــــا لـــــــا لـ		
1 LOCATION OF WELL	ACT 29			IV	ICHIGAN DEPA OF PUBLIC HEA	ARIMENT 6
1 LOCATION OF WELL County Township		Fraction		Section Number	Town Number	Range Number
Allegan Ches	ire	SE%		5	1N _{N/S} .	1 - 1
Distance And Direction from Road Intersectio			3 OWNER OF WI		10.01	L, W.
]				hillip M		•
Stroot aldroga & City of Wall Landing			r.t.	4 th. St.		11.0
Street address & City of Well Location Locate with "X" in section below	Sketch Map:		4 WELL DEPTH:	llegan, I	ate of Completio	u TO
	,		701		Мау 26, 1	
	•		5 🔀 Cable too			
			Hollow ro	od Jett∈	d Bore	
			6 USE: Dome		c Supply	Industry
			∐ Irriga ∏Test	===	Conditioning	Commercial
			7 CASING: Thr	eaded Welded	Height: Ab	ove/Below
1 MILE			Djam.		Surface	
2 FORMATION	THICKNESS OF	DEPTH TO BOTTOM OF	4 in. to	66 _ft, Depti	Weight <u>11</u>	lbs./ft.
	STRATUM	STRATUM	8 SCREE John	ft. Depti	Drive Shoe	? Yes No
Clay Sand, re	ed 12'	12'		nless	3.11	
The state of the s		alby (f.4		* ^		
Clay, G	ay 22'	34 '	Set between_	66 _{ft. and}	70 ft.	
	11 14 La pris 18		Fittings:			
Gravel,	muddy 15	491	9 STATIC WATER	t. 3" ni	ople & re	icker
Clay, G	av 17'	661	1	t. below land sur	face	
				VEL below land s		
Sand, wa	iter 4'	70 1	_50.*f	t. after <u>8</u> hrs. p	numping 15	g.p.m.
			,			
				t. after hrs.p LITY in Parts Per		g.p.m.
			Iron (Fe)	Chlor	ides (CI)	
			Hardness	Other		
				less Adapter		
				d? Yes X No	12 /1000 01	
			Neat Ce	ment Benton	ite 🗌	
			Depth: From	mft. t	o ft.	
		·				ic tank
				eted upon complet		
			15 PUMP:	N	ot installed	
			Manufacture	r's Name er	Myers	
			Model Numbe	er SF10-2.	L-4IPL Volt	s 220
,			Length of Dr Type: * Si		capacityC	6.P.M.
			Je Je		Reciprocating	
				L	-	
USE A 2ND SHEET IF NEEDED 16 Remarks, elevation, source of data, et	<u> </u>	17 WATED 1	NELL CONTRAC	CTOR'S CERTIFIE	CATION	
Pump was set in well		This well	l was drilled und	ler my jurisdictio		is true
for owner to complet		Gree	ch Well	ge and belief.	0937	
ADDED INFO. BY DRILLER, THEM NO.		REGIS	STERED BUSINESS	NAME	REGISTR	ATION NO.
		Address	605 Mars	hall St.		
€CORRECTED BY		8:	12DA	- Chana	J	pt. 27/71
D67d ≠∆35Hi0N ¹ 00M (Rev. 12-68)		ગાશા લ#∞ [AUTHORIZED REPE	RESENTATIVE	-70 Date De	V