DRILLER'S NOTEBOOK

WELL RECORD

Driller LUISE WILL WILLIAM Address 16301 Flather Ridge Road LOULUILE, Ju 52314

Owner CMAIN Mail Collins
Address UN # 3-10

RETURN TO

IOWA GEOLOGICAL SURVEY
IOWA CITY, IOWA

THEN RECORD IS COMPLETED PUT IN ENVELOPE AND MAIL TO

E DIRECTOR

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

	Date and	l	SOURCE OF WATER   Pro			luction	-	RECORD OF PERMANENT CASING					
2 K	Time	Water Level	Depth	Type of Rock	in Gallons per Minute	Pumping Level		Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type° and Weight of Pipe	DIAGRAM OF WELL
			590'				, _	iø"	327'	327'	0		2 7 1
							_					Crange	
set purp, e							-						LE
300'							-						5.1.
SWL = 140							_						
0015000							_						363
@ 265 gpm pumping level = 230'							_	°As	cast. wro	ught iron	steel see	ncrete, etc.	
pend 1												Diameter	_
Drawdown = 90'													(Inches)
20115211/ft			107.0									bottom=	
2,94 gpm/ st	-		***************************************					Deg	oth to top		S!	ot size	
Sperific Core													
1 1 -							•						
cropsi in tout								Kind	l of pump	)		D	ia (Inches)
2,94 gpm/ft. Sperific againty cropsi in touch -			-					Cap	acity of p	oump	<u> </u>	g.p.m.)	30hp.
2300 pl.								Pow	er used	21.50	(Kind an	d amount)	· · · · · · · · · · · · · · · · · · ·
391.7								Dep	th to bott	om of pur	mp line	300	feet,
111 2 101 chab pr	NOTE of cha	: Water	levels sl	hould be re	corded at ti	ime						feet	
409.9 409.9 420 TUH	each r	norning th 100 f	before c	rilling star	ts or at the e	ble Pus SOL. SUR	Ð	Rem	arks on c	constructio	n of we	11	
Suz 420 TUH		4			9661	SEP 2							
- 11						- formations							

## DRILLER'S NOTE

It is important that a driller's notebook, filled out as completely as possible, be sent to the Iowa Geological Survey at the completion of each hole. A number of drillers have found it convenient to string samples from a single well on a heavy wire and attach the log book to them. A hole has been punched in the log book for this purpose.

Sample sacks and log books will be furnished by the Geological Survey. A copy of the log book will be made and returned if desired by the driller.

## SUGGESTIONS TO DRILLERS

- 1. Samples should be taken from each bed passed through, and never more than 5 feet apart, even in the same bed.
- 2. Samples should not be washed, except to remove excess drilling mud, as washed samples may give a wrong idea of the character of the bed.
- 3. Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.
- 4. Make frequent use of the "Description" column to explain the material being drilled.
- 5. Note depth and thickness of all water-bearing layers.
- 6. Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.
- 7. Note height to which water from each layer rises in well, and give flow or capacity in gallons per minute.
- 8. Fossils, such as oyster, clam, and other shells, are important and should be placed in bags with the material with which they are found and carefully labeled as to the depth from which they were obtained.
- 9. If you do not understand what is wanted, or desire information on any point, write to the Iowa Geological Survey, Iowa City, Iowa.
- 10. Samples may be boxed and sent to IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA, EXPRESS COLLECT.

The Iowa Geological Survey desires to assist and cooperate with owners and drillers in every way possible, and will be glad to answer questions and assist in the solution of problems at any time.

A-7397

## WELL RECORD

	N	N	
	E	E	
Well is located	miles S and	miles S from	
	w	W	
	_		
(Nearest Town)	in	(County)	
in the4			
Owner LEWA GO	£ louese wel	1 No.3-10"	
Postoffice address			
Contractor 11: EESE	WELL DEIL	LING	
Address 10301 Terre	<u>e Rives koro</u>	TERREYLE, JA	•
Driller RICK TO	! £ £ \$ E .		
Well begun		10	
completed		, 19	
Rig used-Cable, Rot	ary, Jet, or		
Depth of well	576		
	(Feet)		_
Size of hole (note tot	al amount of eac	h size) <i>[5"-327</i>	,/
Main water supply at			
Main water supply at.	(Feet below s	urface)	
Final water head	(Feet above or be	low surface)	
Is well pumped?	46	**	
Yield	135 GY	11	
	(Gallons per minu	ite)	
Water level when pu	mping		
Position of well	710 Face		
TOURISM IN HORISON	pland, valley, side	hill. etc.)	

Date and	Water	SOUR	E OF WATER	Production							
Timo	Level	Depth	Type of Rock	in Gallons per Minute	Pumping Level						
		590'									
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-											
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		11.5									
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NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the end of each 100 feet of drilling.

	REC	ORD OF	PERMA	NENT C	ASING
Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type <sup>o</sup> and Weight of Pipe	
iø"	<i>327</i> ′	327'	0		*****
				Critic	
					17
					570
					25
		ught iron,			
		12 <i>\_\</i> 2		(	Inches)
Len	gth_ユジェイ (Fo	et)	Depth to	bottom=	5 <i>90</i>
Dep	ili to rap		= Sk	t-size	Andrew Communication of the Co
Are Kind					
Whe	re used				
Kind	of pump			Di •	2
Capa	city of p	ump	<u> </u>	.p.m.	(Inches)
Powe	er used	<u> </u>	TER		
Dept	h to botto	m of pun	p line	feet	feet,
inclu	ding			feet	tailpiece.
Rema	arks on co	onstruction	of well		
		·	<del></del>		

16) coins

	1 05	 PTH				ESCRIPTION OF BEDS
AMPLE NO.	Frem	To	THICKNESS	KIND OF	ROCK, C	COLOR, HARD OR SOFT, W.
	0	.30		Reali	別人	4 Said me
	30	140		Heaves	1	ed a Claye
				Red Le		J
	40	60	,	Si.		Plinte
	60	70				a Buch
	170	190		- MRCI	4 /	
_,	190	330		- 31phi	1.7	ned Cool
	330	450		- Kiny	10	W. 18 11 11 11 11 11 11 11 11 11 11 11 11
	450	590		- May	1	1.2730 C.
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