WHEN RECORD S COMPLETED PUT IN ENVELOPE AND MAIL

0

THE DIRECTOR

lowa Department of Natural Resources GEOLOGICAL SURVEY BUREAU 123 North Capitol Street IOWA CITY, IOWA 52240 (319) 335-1575

AWOI

DRILLER'S NOTEBOOK

29599

DIVIN

NOV 1 4 1988

WELL RECORD GEOL. SURVE

Driller Dan Schlichen

Address Rt 2

Beighton Town

Owner lity of Fairfield

Address

RETURN TO

Iowa Department of Natural Resources
GEOLOGICAL SURVEY BUREAU

123 North Capitol Street IOWA CITY, IOWA 52240 (319) 335-1575

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.
- 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.
- Fill out the label on each sample bag with the name of the well and the depth interval which the sample represents.
- Make frequent use of the "Description" column to explain the material being drilled.
- 5. Note depth and thickness of all water-bearing layers.
- Note the quality of the water from each layer: as hard, soft, salty, alkaline, or sulphur bearing.
- 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.
- 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.

	WELL RECORD	# 2000
	N	N
	E	E
Well is located	miles S and W	miles S from W
- Fairfield	in J4	ffuson,,
in the¼	_¼ SecT.	R
Owner_City_of	2.7. We	ell No
Postoffice addres		
	chlicher U	
^	2 Fairl	n /
	n Schlie	
Well begun	ept 8	, 19.88;
Rig used—Cable,	Rotary, Jet, or	Cable
Depth of well	233'7" (Feet)	From grou
	e total amount of ea	
Re Fer	to Br	cit Page
Main water supply	y at(Feet below	surface)
Final water he	ad	below surface)
Is well pumped?		
Yield	(Gallons per mi	nute)
Water level when	1 .	,
Position of well_	(Upland, valley, si	de hill, etc.)

RECORD OF PERMANENT CASING

	SOURCE OF WATER	OURCE OF WATER Production			Denth to Denth Type and D			DIAGRAM	OF WELL		
Level	Depth	Type of Rock	in Gallons per Minute	Level	Size Pipe	Amount of Pipe	Bottom of Pipe	to Top of Pipe	Weight of Pipe	7	2.5%
1					6.9/80c	218	25/711	Above apound	180 steel	71	
	43 - F		1.11	7 TE				1			
											215
					-					crois)	TY
			We by		-						
										M	TT
										Scalen	
	-la-i									1	21'
		6. 5.		Tipe T	°A:	s cast, wi	rought iron	, steel, co	oncrete, etc.	1 11	
					Is	screen us	ed? <u>Je</u> _	S I	Diameter	55/8 (Inches)	
					Lei	ngth	2/ Feet)	Depth to	bottom	233' 7	-
					De	pth to to	p21	2's	lot size of	16-205/	1
- 18		mary 64			Are	packers	or seals us	Sed?	Tes		-
	1		79 - 3							SCERRN	
					Caj	pacity of	pump		(g.p.m.)		- 4
											t,
E: Wate	r levels	should be	recorded at	time							
nange Al	ND at reg g before	gular interv drilling sta	als; for exa	mple	Res	marks on	construc	tion of w	rell		- 1
	E: Water ange Al	E: Water levels range AND at regarder morning before	E: Water levels should be range AND at regular interv	E: Water levels should be recorded at tange AND at regular intervals; for example morning before drilling starts or at the	TE: Water levels should be recorded at time tange AND at regular intervals; for example amorning before drilling starts or at the end	Water Level Depth Type of Rock Pipe In Gallons per Minute Pumping Level Barbace 378.00 Are Level Depth Type of Rock Pipe Barbace Bar	Water Level Depth Type of Rock in Gallons per Minute Pipe Size Amount of Pipe Body 218 *As cast, will serve use Kind of pur Capacity of Power used. Depth to be compared to morning before drilling starts or at the end	Water Level Depth Type of Rock Per Minute Level Pipe Size Amount Pipe of Pipe Of Pipe Size Amount Pipe of Pipe Of Pipe Size Amount Pipe of Pipe Size Amount Pipe of Pipe Of Pipe Size Amount Pipe of Pipe Of Pipe Size Amount Pipe of Pipe Of Pipe Of Pipe Of Pipe Size Amount Pipe of P	Type of Rock In Gallons per Minute Size Amount of Pipe Bottom of	Water Level Depth Type of Rock Type of Pipe of	Water Level Depth Type of Rock Park Minute Pumping Level Pipe of Pipe

Date and Time

NO.	From	То	THICKNESS		
#/	0	11/2	1		
#2	11/2	5	12		
#3	5	10	inch		
#4	10	15	MOT		
#5	15-	20			
# 6	20	25			
#7	25	30	1211 +0		
#8	30	35	Bottom		
4 9	35	39	BOTTON		
# 10	39	45			
# //	45	50	(majora)		
#12	50	55			
#/3	55	40			
# 12/	40	205			
# 15	25	20			
# 16	20	25-	and the same		
#17	75	80			

3 E	#
Vicini, In	DESCRIPTION OF BEDS
KIND OF ROC	CK, COLOR, HARD OR SOFT, WATER, ETC.
	Soil
Clay	- Tellow
clay-	gray + tellow
clay	- Tellow
clay.	- Tellow & spridy
c/By-	Tellow
11	Total District
7)	30 11 - STORE - STORE
11	1)

c/ny- gray

n 300 16

11

11

11 4

1/



SAMPLE	DE	DEPTH			DESCRIPTION OF BEDS			
NO.	From	То	THICKNESS	KIND OF	ROCK, COLOR, HAR	D OR SOFT, WATER, ETC.		
#18	80	85-		c1	Ay-	9 RAY		
#19	85	90		1	/	11		
#20	90	95	The state of	clay	- gray	- SOF+		
#21	95-	100		11	-28/1	38 11 88		
# 22	100	105		10	080	- 11		
#23	105	110		11		SEL !! OF		
# 24	110	115		12	0011			
#25	115	120		11		11 200 11		
#26	120	125		11	0.11	11 86		
#27	125	130	MALE:	11	- CV1	Day 10 44		
#28	130	135		11	254	11.315		
#19	135	140		41	- 11	1000 11 000		
#30	140	145		21	21	100 11 000		
#31	145	150		110	5/1	SEC 11 18 4		
#32	150	155	VI.	1/	2/	11		
#33	155	160		//	4	"		
#34	160	165		clays	aray -	SANDA gravel		

THE REAL PROPERTY.

11.00	S-A-TEATTE SECTION
井 📟	0.00
	29571

SAMPLE	SAMPLE DEPTH		THEYNIPE	DESCRIPTION OF BEDS		
NO.	From	То	THICKNESS —	KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
#35	165	170	water_	c/Ay - gapy - smult grave)		
#36	170	175		2/Ay- gray- very SANO)13		
#37	175	180		" " " " " " " " " " " " " " " " " " "		
#38	180	185		2) 2) 11		
#39	185	190		1) 1/1 1/1		
440	190	195-		clay + SANO - gRAG		
#41	195	200		c/Ay- SAND+ GRAVE - GRAG		
# 42	200	2020				
#43	20%	210		SAND - GARY		
#44	210	215		11))		
# 45-	215	220		1/ 1/		
#46	220	225		11		
#47	225	230		SAND + gpacel		
#48	230	233	-	12 1/		
545						
1.73						
Septe No			_			

Anna Sancy

233

HE DIRECTOR

WHEN RECORD COMPLETED PUT IN ENVELOPE AND MAIL TO DRILLER'S NOTEBOOK #29599

WELL RECORD

Driller Jan Schlicher
Address Rt 2 Box 119
Brighton Form

Owner Paightly Water Works Address Fairfield , Da

RETURN TO

Iowa Department of Natural Resources
GEOLOGICAL SURVEY BUREAU

123 North Capitol Street IOWA CITY, IOWA 52240 (319) 335-1575

Iowa Department of Natural Resources
GEOLO 1 SURVEY BUREAU
Capitol Street
IO VA 1 JOWA 52240

AWO

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.
- 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

(Noeth end) #29599

	N E	N E
Well is located	photo:	
- Farfield	in July	(County)
in the14	¼ SecT.	R. 1600
Owner 72 7 4/4	tu WorkWel	l No
Postoffice address.		
Contractor	chliche W.	ell Co.
Address	7 12	
	- Solle	
Well begun	pt 8	, 19_88;
	et le	
Rig used—Cable,		
Depth of well	233 ff	
Size of hole (note	total amount of each	ch size) 2 12 ft April
pround to 21	2is 6 pipe	- 812 16 233 13
Main water supply	at_206_70	233
	(Feet above or b	
Is well pumped?	4es	
Yield300	(Gallons per min	ute)
Water level when	pumping	3
Position of well	(Upland, valley, sid	e hill, etc.)

SCAUS

Date and Time		SOURCE	OF WATER	Production		
	Water Level	Depth	Type of Rock	in Gallons per Minute	Pumping Level	
				<u> </u>		
				an in a		
					W.,	
					- Target	

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.

PECOPD OF PERMANENT CASING

RECORD OF PERMANENT CASING						
Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type° and Weight of Pipe	DIAGRAM	Tals"
5/8	218	215/21	2/5"	280 steel		
			Title			
-					Usid	
		-				21517"
					1	1
					Scheen	9171
					VI	1
Lee De Ar Kin W	engthepth to to re packers and here used and of pur	or seals us L or seals us L or seals us	Depth to	Diameter o bottom Slot size_	233' 7 L+20 -	5430
	apacity of	pump	30 U	(g.p.m.)	AS C	
	wer used.			3 Ph		
D	epth to bo	ottom of p	ump line	203	fe	et,
ine	cluding			fe	et tailpie	ce.
Re	emarks on	construc	tion of v	vell		

	والمساور والمساورة			
SAMPLE	DEF	РТН	THICKNESS	DESCRIPTION OF BEDS
NO.	From	То		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
#)	0	11/2		Soil
#2	1/2	5		c/A4- Tellow
#3	5	10		clay- gazy + jellow
#4	10	15		c/Ay- Tellow.
#5	15	20		clay - Tellow - SANdy
#20	20	25		Clay- Tellow
#7	25	30		R II
#8	30	35		1
#9	35	39	Die La	11 11
#10	39	45		Clay- gray
#11	45	50		1, 1,
#12	50	55		" " "
#13	55	60		11
#14	60	les-		11 1
#15	45	20		n 4
#16	70	75-		11 4
#17	75	88		11 11

				DESCRIPTION OF BEDS			
SAMPLE NO.	From	То	THICKNESS	KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
#18	80	85		clay - gray			
#19.	85	90	1100	18 7.1			
#28	90	95		11 SoFt			
#21	95	100		11 11			
#22	100	105	Kart -	1) 2/			
#23	105	110		n n			
#24	110	115		11 000 11 11			
#25	115	120		n n n			
#26	120	125		h h			
#27	125	130	15	h h			
#28	130	135~		1) 1)			
#19:	135	140		4 4			
#36	140	145		1, 1,			
#31	145	150		" " "			
#32-	150	155		11 11 /11			
#33	155	160.	600	11 11 / 11			
#34	160	165	国籍社會	clay-gray sand + growel			
				0			

SAMPLE NO.	DEPTH		THICKNESS	DESCRIPTION OF BEDS
	From	То	THICKNESS	KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
#35	165	170	ralis	, May- gray - sonof + gravel
#36	150	175	No to the	I clay agay very Sandy
#37	195	180		" " " " " " " " " " " " " " " " " " "
#38	180	185	14 14	11 11 11
#39	185	190		11 11 11 11
#40	190	195	1	1 clay-said - group
#41	195	200	314	clay-said giovel gray
#42	200	206		110 110 11
12/3	206	210		SAND - GRAY
±44	210	215		11 110
#45	215	220	产工业代	1) 4
#46	220	225		11 41
# 47	225	230		Spud & gosce
#48	230	233		11 11
	*			
	ritary (- 35		