

WELL RECORD

Well is located $\frac{1}{2}$ miles $\begin{matrix} N \\ E \\ S \\ W \end{matrix}$ and miles S from $\begin{matrix} N \\ E \\ S \\ W \end{matrix}$

Murray in Clarke,
(Nearest Town) (County)

in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 6 T. 72 R. 27 W

Owner U.S.G.S. Well No. S-21
^{TEST}

Postoffice address Towa City, Ia

Contractor Lane Drilling & Equip. Co.

Address Omaha, Nebr.

Driller Carroll & Claire Lane

Well begun Sept 25, 1962,

completed Sept 26, 1962.

Rig used—Cable, Rotary, Jet, or.....

Depth of well 217
(Feet)

Size of hole (note total amount of each size) 5"

Main water supply at.....
(Feet below surface)

Final water head.....
(Feet above or below surface)

Is well pumped?.....

Yield.....
(Gallons per minute)

Water level when pumping.....

Position of well.....
(Upland, valley, side hill, etc.)

Sample No.	DEPTH		THICKNESS
	From	To	
	0	2	Brown
	2	5	Black
	5	10	Black
	10	15	yellowish
	15	18	yellowish
	18	20	yellow
	20	22	yellow
	22	25	yellow
	25	28	yellow
	28	30	yellow
	30	35	yellow
	35	37	"
	37	40	yellow
	40	41	yellow
	41	45	yellow
	45	47	yellow
	47	50	yellow

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
yellow clay - Red Bed	1:24	1:25
Silty clay	1:25	1:27
clay	1:27	1:30
Grey clay	1:30	1:33
Grey clay	1:42	1:43
clay - some grey clay mixed	1:43	1:45
Grey clay mixed	1:45	1:46
clay	1:46	1:49
clay	1:49	1:52
clay & cemented sand	1:52	1:54
clay - (traces of Grey)	2:00	2:04
" " "	2:04	2:06
clay thin white sand ^{lenses}	2:06	2:09
clay with yellow sand lenses	2:09	2:10
clay	2:10	2:13
clay	2:20	2:22
with Grey clay mixed	2:22	2:24

Sample No.	DEPTH		THICKNESS
	From	To	
	50	51	yellow w
	51	55	Grey
	55	60	Dark Gre
	60	65	Blue Grey
	65	70	Blue Grey
	70	75	Blue Grey
	75	80	Blue Grey
	80	85	Light Grey
	85	90	Light Grey
	90	95	yellow
	95	98	yellow c
	98	100	Grey +
	100	105	Grey Cl
	105	110	Grey Clo
	110	115	Grey Clay
	115	120	Grey +
	120	125	yellow

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
in grey clay mixed	2:24	2:25
Clay - some yellow clay mixed	2:25	2:29
y clay (traces of yellow)	2:29	2:34
clay	2:41	2:45
clay	2:45	2:50
clay	2:50	2:55
clay	3:01	3:06
clay	3:06	3:11
Clay -	3:11	3:17
Clay - trace of grey clay	3:25	3:30
trace " " "	3:30	3:33
yellow clay mixed	3:33	3:35
ay - with some yellow clay mixed	3:35	3:39
y with trace of yellow	3:47	3:52
- with trace of yellow	3:52	3:57
yellow clay mixed	3:57	4:02
clay	4:11	4:16

Sample No.	DEPTH		THICKNESS
	From	To	
	125	130	yellow
	130	135	yellow
	135	140	yellow
	140	145	yellow
	145	150	yellow
	150	155	yellow
	155	160	yellow
	160	163	yellow
	163	164	Sand -
	164	—	concrete
	164	165	yellow
	165	170	yellow
	170	175	Dark gray
	175	180	Blue Gray
	180	185	Blue Gray
using full down	185	190	Blue Gray +
	190	—	Put Roc

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
clay	4:16	4:21
clay - traces of Blue	4:21	4:26
clay	4:32	4:37
clay -	4:37	4:42
clay - traces of Dark Clay	4:42	4:47
clay - little sandy	4:54	4:59
clay - traces of Dark Gray	4:59	5:03
clay -	5:03	5:06
5 seconds		
2' bed 3' in water		
clay	5:09	5:10
clay - Hard -	5:15	5:20
with yellow clay with	5:20	5:25
clay - with some yellow with	5:25	5:30
clay - yellow - clay with	5:35	5:43
yellow clay with blue clay	5:43	5:53
R Biton	5:53	—

Sample No.	DEPTH		THICKNESS	DESCRIPTION OF BEDS	
	From	To		KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
Oct 26 1901	190	191	Rock - yellow limestone	6:32	6:39
	191	195	yellow & Grey clay	6:39	6:49
Sept. 26 1901	195	197	" "	6:30	6:33
	197	200	med. Shale - med. hard	6:33	6:40
	200	205		7:25	7:32
	205	207		7:32	7:36
C-B -1-	207	208	C-B	11	8:15
-2-	208	209		9	8:26
-3-	209	210		10	8:35
-4	210	211		15	8:45
-5	211	212		18	9:00
-6	212	213		18	9:18
-7	213	214		14	9:36
pt. -8	214	215		16	10:38
-9	215	216		21	10:54
10	216	217		T.D.	18
					11:15
					11:33