

#35820

Book #7

DRILLER'S NOTEBOOK

WELL RECORD

Driller R & R Well Co Inc

Address RR1

Fort Dodge, Ia
50501

Owner Stratford

Address Well No. 4

Iowa Department of Natural Resources
GEOLOGICAL SURVEY BUREAU

123 North Capitol Street
IOWA CITY, IOWA 52242
(319) 335-1575

86,26

AEG

6-7-99

#35820

Sec. 7

SW, NW, SE of Stratford
called City of Stratford

br. 326

el. 0 in 605 am
6-7-99

WELL RECORD

el. 1110 plat
Stratford
AEG 6-7-99

N

N

E

E

Well is located _____ miles S and _____ miles S from
W WStratford in Hamilton,
(Nearest Town) (County)

in the _____ 1/4 _____ 1/4 Sec. _____ T. _____ R. _____

Owner City of Stratford Well No. 4

Postoffice address _____

Contractor _____

Address _____

Driller _____

Well begun Oct. 23, 1994

completed _____, 19 _____

Rig used—Cable, Rotary Jet, or _____

Depth of well 560
(Feet)

Size of hole (note total amount of each size) _____

17 1/2" - 430 11 3/8" - 560

Main water supply at _____
(Feet below surface)Final water head 249'
(Feet above or below surface)

Is well pumped? _____

Yield 155
(Gallons per minute)

Water level when pumping 475'

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

changing guides every 40'
starting at bottom 430'

RECORD OF PERMANENT CASING

[illegible]

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.

Size Pipe	Amount of Pipe	Depth to Bottom of Pipe	Depth to Top of Pipe	Type* and Weight of Pipe	DIAGRAM OF WELL
12"	432.5	430	+2.5	std. sch 40	
10	134.5	561	126' 10"	50R21 200psi plastic	
Bottom 57 1/2'				slotted	
.125 slots					
2 Rows slots					
8 slots per Foot					

^aAs cast, wrought iron, steel, concrete, etc.

Is screen used?----- Diameter-----
(Inches)

Length_____ Depth to bottom_____
(Feet)

Depth to top_____ Slot size_____

Are packers or seals used?_____

Kind _____

Where used_____

Kind of pump----- Dia.-----
(Inches)Capacity of pump-----
(g.p.m.)

Power used _____
(Kind and amount)

Depth to bottom of pump line-----feet,

including _____ feet tailpiece.

Remarks on construction of well_____

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
#1	0	2	2
#2	2	5	3
#3	5	10	5'
#4	10	15	5'
#5	15	20	5'
#6	20	25	5'
#7	25	30	5'
#8	30	35	5'
#9	35	40	5'
#10	40	45	5'
#11	45	50	5'
#12	50	55	5'
#13	55	60	5'
#14	60	65	5'
#15	65	70	5'
#16	70	75	5'
#17	75	80	5'

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
Black Top Soil		
Yellow clay		
" "	" "	
Blue clay		
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	(sandy)
" "	" "	(sand & rocks)
" "	" "	(sandy)

#35820

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
# 18	80	85	5'
# 19	85	90	5'
# 20	90	95	5'
# 21	95	100	5'
# 22	100	105	5'
# 23	105	110	5'
# 24	110	115	5'
# 25	115	120	5'
# 26	120	125	5'
# 27	125	130	5'
# 28	130	135	5'
# 29	135	140	5'
# 30	140	145	5'
# 31	145	150	5'
# 32	150	155	5'
# 33	155	160	5'
# 34	160	165	5'

[illegible]

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
#35	165	170	5'
#36	170	175	5'
#37	175	180	5'
#38	180	185	5'
#39	185	190	5'
#40	190	195	5'
#41	195	200	5'
#42	200	205	5'
#43	205	210	5'
#44	210	215	5'
#45	215	220	5'
#46	220	225	5'
#47	225	230	5'
#48	230	235	5'
#49	235	240	5'
#50	240	245	5'
#51	245	250	5'

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
Blue Clay		
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	(Sandy)
"	"	"
"	"	"
Blue Clay		
"	"	
"	"	
"	"	

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
# 52	250	255	5'
# 53	255	260	5'
# 54	260	265	5'
# 55	265	270	5'
# 56	270	275	5'
# 57	275	280	5'
# 58	280	285	5'
# 59	285	290	5'
# 60	290	295	5'
# 61	295	300	5'
# 62	300	305	5'
# 63	305	310	5'
# 64	310	315	5'
# 65	315	320	5'
# 66	320	325	5'
# 67	325	326	1'
# 68	326	327	1'

DESCRIPTION OF BEDS			
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
Blue Clay			
" "			
" "			
" "			
" " (sticky)			
" "			
" "			
" "			
" "			
" " (Sandy + rocky)			
" "			
" " " "			
" " " "			
" " " "			
" " " "			
Blue Clay			
S. S. white			

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
# 69	327	330	3'
# 70	330	335	5'
# 71	335	340	5'
# 72	340	345	5'
# 73	345	350	5'
# 74	350	352	2'
# 75	352	354	2'
# 76	354	355	1'
# 77	355	360	5'
# 78	360	365	5'
# 79	365	370	5'
# 80	370	373	3'
# 81	373	375	2'
# 82	375	380	5'
# 83	380	385	5'
# 84	385	390	5'
# 85	390	395	5'

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
shale	L + grey	
Intermittent	shale + ss.	
"	"	"
Lt grey	shale	
"	"	"
"	"	"
coal		
Lt. grey	shale	
"	"	"
"	"	"
"	"	"
"	"	"
S.S.		
S. S.		
DK Brn	Limestone	
"	"	"
White	Limestone	

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
# 86	395	400	5'
# 87	400	405	5'
# 88	405	410	5'
# 89	410	415	5'
# 90	415	420	5'
# 91	420	425	5'
# 92	425	427	2'
# 93	427	429	2'
# 94	429	430	1'
# 95	430	435	5'
# 96	435	440	5'
# 97	440	445	5'
# 98	445	450	5'
# 99	450	455	5'
# 100	455	460	5'
# 101	460	465	5'
# 102	465	470	5'

DESCRIPTION OF BEDS			
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.			
White Limestone			
"	"	"	"
"	"	"	"
Lt. Brn	"	"	"
"	"	"	"
"	"	"	"
"	"	"	"
grey shale			
Lt. Brn Limestone			
Mixed Brn & Lt. Brn Limestone			
"	"	"	"
"	"	"	"
White Limestone			
Grey + White Limestone			
"	"	"	"
Whitestone			
"	"	"	"

Crevice

shale

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
# 103	470	475	5
# 104	475	480	5
# 105	480	485	5
# 106	485	490	5
# 107	490	495	5
# 108	495	500	5
# 109	500	503	3
# 110	503	505	2
# 111	505	508	3
# 112	508	510	2
# 113	510	515	5'
# 114	515	520	5'
# 115	520	525	5'
# 116	525	530	5'
# 117	530	535	5'
# 118	535	540	5'
# 119	540	545	5'

DESCRIPTION OF BEDS		
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.		
White Limestone	creviced	some gran
" "	" "	S.S. phase
White Limestone	solid	
White Limestone	creviced	shaley
Tan Limestone	solid	(20 g.p.m.)
White Limestone	solid	
" "	" "	" "
" "	" "	" "
S.S. Bnn		(10 g.p.m.)
White Limestone		
S.S. Bnn		
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	
" "	" "	

water
35 g.p.m.
Approx

