DRILLER'S NOTEBOOK

#33404

WELL RECORD

Driller_____

Address_____

_____

Owner L & M School

Address_____

_____

Well 2
4" sand

RETURN TO

IOWA GEOLOGICAL SURVEY

IOWA CITY, IOWA

Date and Time	Water Level	SOURCE OF WATER		Production in Gallons per Minute	Pumping Level
		Depth	Type of Rock		
	some of the samples will contain sand because of the drilling fluid, therefore the Log data is composed by James C. Latta's personal [redacted] opinion				

NOTE: Water levels should be recorded at time of change AND at regular intervals; for example each morning before drilling starts or at the e of each 100 feet of drilling.

L+M School

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	0	5	
	5	10	
	10	15	
	15	20	
	20	25	
	25	30	
	30	35	
	35	40	
	40	45	
	45	50	
	50	55	
	55	60	
	60	65	
	65	70	
	70	75	
	75	80	

#33404

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
Top soil to yellow clay
Yellow clay
Yellow clay
brown PETE
brown PETE !!
blue clay and fine sand
" "
Silty sand
old blue
fine silty sand + blue clay
" "
BLUE CLAY
" "
" "
" "

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	80	85	
	85	90	
	90	95	
	95	100	
	100	105	
	105	110	
	110	115	
	115	120	
	120	125	
	125	130	
	130	135	
	135	140	141'
	140	145	
	145	150	
	150	155	
	155	160	

#33404

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

Blue Clay

Blue-gray clay

" " " SAND

" " "

" " "

gray Clay

" gray Clay

" "

" "

gray sand 10-12 slo +

" " "

" "

" "

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	160	165	165 end
	165	170	
	170	175	
	175	180	
	180	185	
	185	190	
	190	195	
	195	200	
	200	205	205' sand/clay
	205	210	
	210	215	
	215	220	
	220	225	
	225	230	
	230	235	
	235	240	

#33-04

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
Gray clay
gray clay
gray clay
Gray clay
Gray clay
Gray clay
gray clay Drilling Fluid.
gray clay
Sandy clay
Sandy clay
Sand 12-18 slot
Sandy clay
" "
" "
" "

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	240	245	
	245	250	
	250	255	
	255	260	258
	260	265	
	265	270	
	270	~~275~~	272'
	275	280	

Lenses of sand & clay
700 ft — sand

#3340

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
~~Surface soil~~ Sandy clay
Sandy clay
Sandy clay
Sandy streak
Sandy clay
Sandy clay
~~Sandy clay~~ SEA mud
to 700'.

#33 L 04

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
Collar	21'7		
2 rods	240		
	261' 7"		
Kelly	10 5		
	272'		

LATTA & SONS INC.
IOWA GEOLOGICAL SURVEY

123 North Capitol St.
Iowa City, Iowa 52242
Phone (319) 338-1173

#33404

JOB L+M School WELL NO. 1 DATE TESTED 4/23/92

LOCATION North of Elem. School TESTED BY Simon

Diameter of Well 8" Pump Used: Driver

Depth of Well 301' 30hp. Column & Shaft

Length of Airline 253' Bowls

Non-Pumping Level Manufacturer

Orifice Seze 3" orifice Serial No.

wer

Date and Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
11:34 am	1 min	6	82	18	232	41.6	
11:35	1 min	6	82	18	232	41.6	
11:36	1 min	6	82	18	232	41.6	
11:37	1 min	6	82	18	232	41.6	
11:38	1 min	6	82	18	232	41.6	
11:39	1 min	6	82	18	232	41.6	
11:40	1 min	6	82	18	232	41.6	
11:41	1 min	6	82	18	232	41.6	
11:42	1 min	6	82	18	232	41.6	
11:43	1 min	6	82	18	232	41.6	
11:44	1 min	6	82	18	232	41.6	
11:45	1 min	9	100	17	234.7	39.3	
11:46	1 min	9	100	17	234.7	39.3	
11:47	1 min	9	100	17	234.7	39.3	
11:48	1 min	9	100	17	234.7	39.3	
11:49	1 min	9	100	17	234.7	39.3	
11:50	1 min	9	100	17	234.7	39.3	

LATTA & SONS INC. 3196484613 P.03
IOWA GEOLOGICAL SURVEY

#33404

123 North Capitol St.
Iowa City, Iowa 52242
Phone (319) 338-1173

JOB _____ WELL NO: 1 DATE TESTED 4/23/92

LOCATION _____ TESTED BY _____

Diameter of Well _____ Pump Used: Driver _____

Depth of Well _____ Column & Shaft _____

Length of Airline _____ Bowls _____

Non-Pumping Level _____ Manufacturer _____

Orifice Seze _____ Serial No. _____

Date and Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
11:51	1 min	9	100	17	234.7	39.3	
11:52	1 min	9	100	17	234.7	39.3	
11:53	1 min	9	100	16	237	36.9 or	37
11:54	1 min	9	100	16	237	37	
11:55	1 min	9	100	16	237	37	
12:00 pm	5 min	9	100	16	237	37	
12:05	5 min	9	100	16	237	37	
12:10	5 min	9	100	16	237	37	
12:15	5 min	9	100	15	239.3	34.65 or	34.7
12:20	5 min	9	100	15	239.3	34.7	
12:25	5 min	9	100	15	239.3	34.7	
12:30	10 min	9	100	15	239.3	34.7	
12:40	10 min	9	100	15	239.3	34.7	
12:50	10 min	9	100	15	239.3	34.7	
1:00	10 min	9	100	15	239.3	34.7	
1:15	15 min	9	100	15	239.3	34.7	
1:30	15 min	9	100	15	239.3	34.7	

IOWA GEOLOGICAL SURVEY

#33404

123 North Capitol St.
Iowa City, Iowa 52242
Phone (319) 338-1173

JOB _____ WELL NO. 1 DATE TESTED 4/23/92

LOCATION _____ TESTED BY _____

Diameter of Well _____ Pump Used: Driver _____

Depth of Well _____ Column & Shaft _____

Length of Airline _____ Bowls _____

Non-Pumping Level _____ Manufacturer _____

Orifice Seze _____ Serial No. _____

Date and Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
1:45	15 min	9	100	15	239.3	34.7	
2:00	15 min	9	100	15	239.3	34.7	
2:30	30 min	9	100	12.5	245.1	28.87 (28.9)	
2:45	15 min	9	100	11.5	247.4	26.56 & 26.6	
3:00	15	9	100	10.5	249.7	24.255	24.3
~~3:00~~ 3:15	15	9	100	9.5	252.1	21.94	
3:30	15	9	100	9	2532	20.75	