

DATE STARTED June 1954 DATE COMPLETED January 1955

DEPTH 1875'

DIAMETERS 30" to 315'; 25" to 547'; 23" to 592'; 20" to 862'; 17" to 1216'; 15" to 1225'; 12" to 1875'.

CASING 30" to 35'6"; 67' of 26" OD liner from 248' to 315'; 166' of 24" OD liner from 381' to 547'; 63' of 22" OD liner from 529' to 592'; 55' of 18" OD liner from 807' to 862'; 97' of 16" OD liner from 1119' to 1216'; 615' of 16" OD casing & 610' of 12" casing with 16"x 12" swedge nipple, cement grouted in place, from 3' above surface to 1222'. 1910 SACKS OF CEMENT BENTONITE & FLOEAL

LOCATION Sec. 15, Twp. 71N, R6W Well No.

COUNTY Henry

STRATA RECORD Depth

From	To	Thickness	Description of Beds
Top	7	7	Red clay
7	20	13	Sand & a little gravel
20	35	15	Dark sandy shale
35	40	5	Brown sand & small gravel
40	52	12	Hard brown sandy lime
52	55	3	Blue Shale
55	58	3	Gray lime & gray shale
58	61	3	Lime & shale
61	71	10	Blue shale & a little lime
71	92	21	Blue shale
92	104	12	Shale & lime
104	112	8	Dark gray shale; a little lime
112	116	4	Lime & a little shale
116	120	4	Gray lime
120	123	3	Gray shale & a little lime
123	126	3	Shale
126	135	9	Gray shale, some lime
135	142	7	Gray shale & lime
142	147	5	Light gray lime, little shale
147	149	2	Lime & shale
149	155	6	Gray lime
155	168	13	Light gray lime
168	200	32	Lime, very light & hard
200	203	3	Gray lime, not so hard
203	210	7	Gray lime
210	213	3	Gray lime, little shale
213	223	10	Lime & shale
223	226	3	Very hard, light lime
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<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description of Beds</u>
226	231	5	Hard pure white lime
231	235	4	Gray lime, a little coarse
235	243	8	Dark gray lime, coarse
243	250	7	Gray lime, hard
250	259	9	Gray shale, a little lime
259	284	25	Dark gray shale
284	293	9	Shale & a little grit
293	299	6	Gray lime, just a little shale
299	423	124	Gray shale
423	426	3	Chocolate brown shale
426	430	4	Light brown shale
430	435	5	Dark gray shale
435	445	10	Very light gray shale
445	453	8	Light green shale
453	460	7	Light shale & light blue mud
460	472	12	White shale
472	511	39	Gray shale
511	516	5	Dark brown shale
516	542	26	Light gray shale
542	547	5	Dark gray shale
547	580	33	Light gray shale
580	583	3	Gray lime & white shale
583	656	73	Hard gray lime
656	665	9	Gray lime & shale
665	782	117	Gray lime, fine
782	815	33	White shale & lime
815	830	15	White & green shale
830	839	9	Gray shale
839	845	6	Light green shale
845	857	12	Brown shale
857	934	77	Hard gray lime
934	987	53	Brown lime
987	1014	27	Gray lime
1014	1060	46	Brown lime
1060	1080	20	Coarse brown lime
1080	1098	18	Hard gray lime
1098	1132	34	Gray sand
1132	1154	22	Green shale
1154	1162	8	Dark sand
1162	1186	24	Hard sand
1186	1191	5	Shale & lime
1191	1200	9	Gray shale & lime
1200	1209	9	Sand & shale
1209	1216	7	Sand
1216	1221	5	Gray lime
1221	1230	9	Lime
1230	1240	10	Hard gray lime & Dolomite
1240	1266	26	Hard lime
1266	1285	19	Gray lime & Dolomite
1285	1295	10	Hard gray lime
1295	1299	4	Hard gray lime & Dolomite

<u>From</u>	<u>To</u>	<u>Thickness</u>	<u>Description of Beds</u>
1299	1320	21	Lime
1320	1333	13	Sandy, gray lime
1333	1336	3	Lime, harder
1336	1353	17	Gray lime, very hard
1353	1396	43	Gray lime, hard
1396	1421	25	Gray lime
1421	1425	4	Brown lime, very hard
1425	1449	24	Sandy lime
1449	1460	11	Gray sandy lime
1460	1475	15	Hard gray lime
1475	1505	30	Very hard lime & a little shale
1505	1519	14	Gray sandy lime
1519	1531	12	Very hard lime
1531	1547	16	Gray lime
1547	1553	6	Gray lime
1553	1559	6	Fine gray lime
1559	1565	6	Soft sandy lime
1565	1577	12	Hard sandy gray lime
1577	1583	6	Gray lime
1583	1589	6	Gray lime, very firm
1589	1604	15	Gray lime, very hard
1604	1740	136	Hard gray lime & sandy lime
1740	1750	10	Gray sand & some lime
1750	1756	6	Dark gray sand
1756	1795	39	White sand, very hard & sharp-cuts
1795	1798	3	Lime & sand
1798	1801	3	Hard lime, litte chert
1801	1803	2	Hard lime
1803	1816	13	Very hard lime
1816	1821	5	Lime & sand
1821	1824	3	Hard sand
1824	1830	6	Gray sandy lime, very hard
1830	1837	7	Hard sandy lime
1837	1857	20	Hard sand
1857	1875	18	Lime, very fine & very hard

STATIC WATER LEVELS

<u>From</u>	<u>To</u>	<u>Level</u>
Top	71	None
71	91	35
91	109	32
109	116	31
116	265	32
265	281	33
281	311	34
311	315	35
315	354	33
354	406	34
406	413	33
413	472	35

STATIC WATER LEVELS (Cont.)

From	To	Level
472	475	45
475	485	35
485	487	38
487	506	37
506	515	58
515	516	33
516	532	35
532	542	41
542	555	35
555	569	36
569	633	35
633	665	36
665	703	35
703	746	34
746	774	35
774	782	36
782	1216	35
1216	1221	55
1221	1225	50
1225	1230	120
1230	1240	220
1240	1253	200
1253	1285	180
1285	1299	165
1299	1333	155
1333	1396	148
1396	1449	140
1449	1505	150
1505	1531	148
1531	1577	150
1577	1605	154
1605	1623	150
1623	1638	152
1638	1733	150
1733	1812	148
1812	1866	145
1866	1872	138
1872	1875	140

		<u>O.D.</u>	
35' 6"	of	30"	0 - 35' 6"
67' 3"	of	26"	linear 248 - 315
165' 11"	of	24"	" 382 - 548
63' -	of	22"	" 529 - 592
55' -		19"	" 807 - 862
98		16"	" 1118 - 1216

casing

606 5" of 12"

618' 7" of 16"

1225

Mr. Parent
Hops

W/L = 119.57 @ 11:00 Jan. 20, 1955
Not over 1' of sand in hole

Casing - M.P.

35'-6"	of	30"	OD Pipe	from	0 to 35'-6"
67'-3"	of	26"	" Liner	from	248 to 315'
165'-11"	of	24"	" "	"	382 to 548'
63'	of	22"	" "	"	529 to 592'
55'	of	17"	" "	"	807 to 862'
98'	of	16"	" "	"	1118 to 1216'

606'-5" of 12"^{ID} Csg. from 618-7" to 1225'
618'-7" of 16"^{OD} " " 0 to 618-7"
Connected with Swedse Nipple

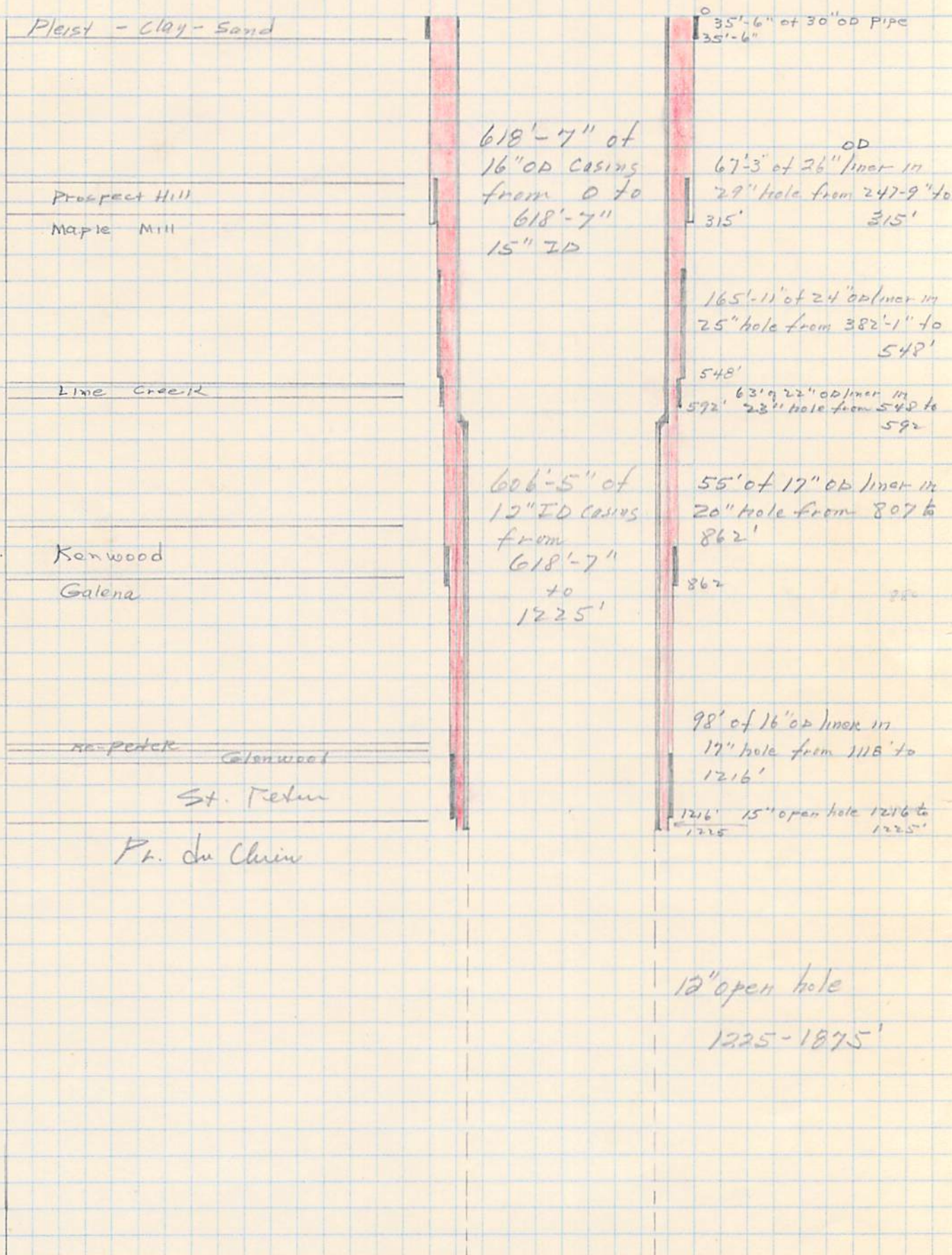
12" ID & 16" OD Cemented in well.

3 bags Gelflake
32 " Bentonite
1833 " Cement

(See Hole Record Sizes on
Pump test Cover Sheet).

Mental Health Institute well - Mt. Pleasant
70 1875'

well - mt. Pleasant
1875'



LOG OF DEEP WELL

MENTAL HEALTH INSTITUTE

JAN. 1955

MT. PLEASANT - IA

VERTICAL SCALE 1"=150'

HORIZONTAL SCALE 1"=25'

