

Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scales Horizontal <u>2"</u> Vertical <u>100'</u>	Position of seals, screens, static level, etc.
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	Sand & Gravel	45
	Lime Rock	
	Shale	346
	Shale	485
	Lime	500
	Shale	567
	Lime	600
	Shale	
	Lime	
	Shale	814
	Shale	834
	Shale	843
	Lime	900
	Shale	912
St. Peter	Sandstone	950
	Lime	
	Sand	1090
	Sand	1110
	Sand	1130
	Lime	1150
	Lime	
Richmond	Sand	1377
	Sand	1388
	Lime	
Jordan	Lime	1450
	Lime	1485
	Lime	1505

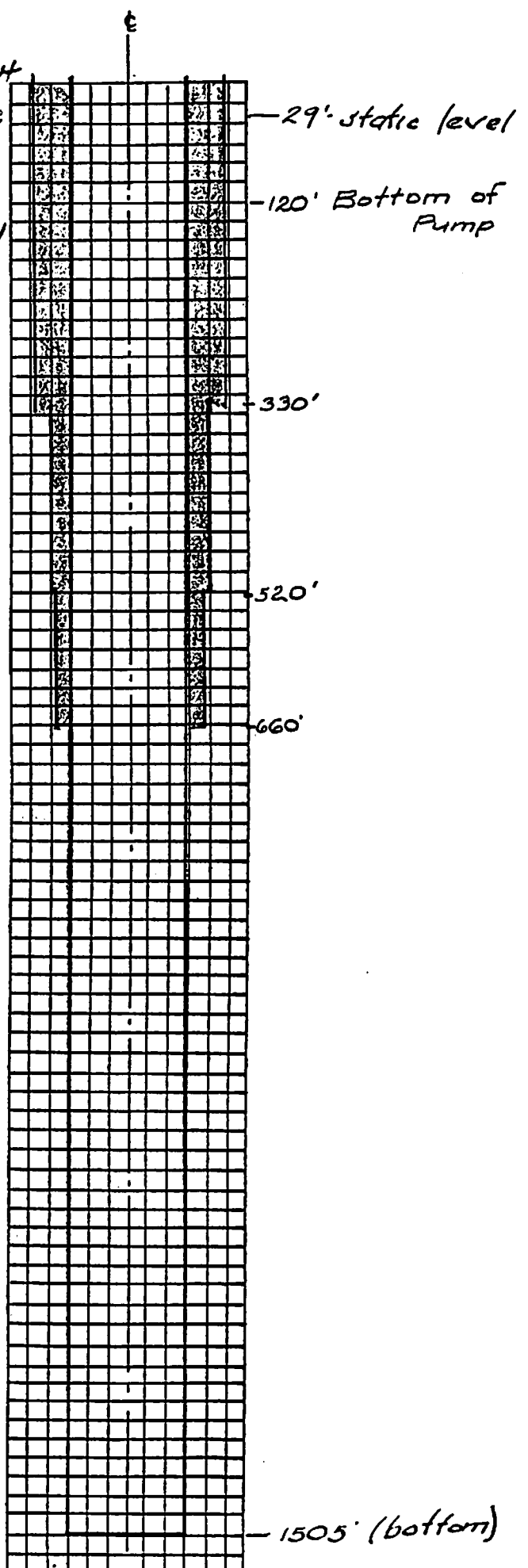
Grout Between Casings

ms 4 1/4 / 1 1/4  
 In 1963 Thorpe grouted in place 92' casing from 0-92' to seal off opening in old casing.

19" outside

16" outside

15" outside



St. Peter

Richmond

Jordan

THORPE BROTHERS WELL COMPANY  
2340 Sixth Avenue

W-25  
NW, SW, SW, 16-85-10

Des Moines, Iowa

Drilled for City of Vinton at Vinton, Iowa

Drilling started December 11, 1931 Completed April 19, 1932

Well No. #2-3 Kind of Well Drilled Depth 1505' Size hole started 19 in.

Finish 10" G.P.M. \_\_\_\_\_ Static head 8' Drawdown \_\_\_\_\_

Water was first encountered 12' in sand Approximate amount \_\_\_\_\_

Record of Permanent Pipe					: Temporary Pipe	
Size	Amount	Depth to	Depth to		: Size	
Pipe	of pipe	Bottom of pipe	Top of Pipe	Make of Pipe:	Pipe	Amount
20"O.D.	96'		surface	steel	:	
welded					:	
16"O.D.	202'	525'	423'	1/4" steel	: 40"	curb 19'
12"	658'	658'		Am.Cast Iron:	34"	" 27'
10"	138' 1"	951'	813'	Reading 35#:		
2 lengths (16'5" & 15'10")			32' 3"	perforated	: 20"O.D.	96'
1 slip sleeve rubber packer at 919'					: 12"	20' at 655'

Driller Bergeson & Diemer from surface to 163 feet  
" Shatwell & Bergeson from 163 feet to 1505 feet

Amount in feet	Kind of Soil or Formation	Total Depth Feet
12	Soil and sand (2 ft. above street grade)	12
24	Sand	36
21	Blue clay and gravel	57
37	Dark Grey Clay and gravel	94
252	Limestone (6" shale at 128')	346
54	Green & brown shale	400
82	Bluish grey shale	482
18	Hard streaks of rock & shale	500
67	Rock & thin streaks of shale (brown)	567
33	Brown shale & thin streaks of rock	600
214	Limestone	814
29	Limestone & streaks of shale (last 9 ft. shale)	843
57	Limestone	900
12	Green shale	912
38	St. Peters sand	950
427	Limestone	1377
	1185' to 1195' New Richmond sand	
11	Sandstone	1388
17	Sandy limestone	1405
35	Soft sandstone	1440
10	Sandy limestone	1450
27	Soft sandstone	1477
28	Limestone	1505

Et. sink 788  
94  
894