

# THORPE WELL COMPANY

2340 SIXTH AVENUE

DES MOINES, IOWA

R-1-B

Drilled for City of Collins Water Works at Collins, Iowa

Well is located East of Town --75' East of Water Tower  
miles N-E-S-W and miles N-E-S-W from

in the 1/4 Section 1/4 Township 1 Range

Drilling started October 15 19 63 Completed January 8 19 64

Well No. 12 1/4 Kind of Well Cable Tool Rotary Depth to 559' 440' Size hole started 17 in

Finish 12 1/4 G. P. M. 15 Static Head 97 Pumping level from surface

Water was first encountered at in Approx. Amt. Temp.

Remarks Cemented pipe top to bottom

(GIVE DETAILS OF PERFORATED PIPE AND SEALS)

RECORD OF PERMANENT PIPE					TEMPORARY PIPE	
SIZE PIPE	AMOUNT OF PIPE	DEPTH TO BOTTOM OF PIPE	DEPTH TO TOP OF PIPE	MAKE OF PIPE	SIZE PIPE	AMOUNT
O.D. 13 3/8 Schd. 10"-40	312	312	0	Welded		
	166'	455'	289'	welded shoes on both ends		

Driller Rotary Bob Wall Cable Tool Art Lambertz From Surface to feet

Driller Guy Lemar Ad Agar From feet to feet

Driller Max Smith Doug Brunekool From 559 feet to feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
1	Black top soil	1
12	Yellow clay	13
27	Gray clay	40
6	Brown clay	46
7	Med. sand & gravel	53
22	Gray clay	75
1	Limestone boulders	76
82	Gray clay	158
84	Gray shale	242
1	Limestone	243
3	Gray shale	246
2	Limestone	248
2	Gray shale	250
4	Limestone	254

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11	Limestone shale streaks	265	
7	Limestone	272	
3	Shale limestone streaks	275	
3	Limestone	278	
8	Limestone shale streaks	286	
5	Limestone	291	
5	Gray shale lime streaks	296	
1	Limestone	297	
4	Limestone shale streaks	301	
3	Shale limestone streaks	304	
3	Limestone	307	
3	Gray shale	309	
1	Limestone	310	
2	Gray shale	312	
4	Limestone shale streaks	316	
	streaks 3" 6"		
7	Shale limestone streaks	323	depth
1	Hard limestone	324	
6	Shale limestone streaks	330	
6	Limestone shale streaks	336	
14	Gray shale	350	
11	Limestone shale streaks	361	
5	Shale limestone streaks	366	
1	Limestone (hard)	367	
2	Shale	369	
21	Limestone shale streaks	390	
50	Limestone	440	6"
	(continued by Cable Tool)		
7	Lime, brown & gray	447	
10	Lime brown	457	
9	Lime brown & gray	466	
24	Gray	490	
50	Lime brown hard	540	
	Crevice 503 & 509		
5	Lime & shale streaks	545	
5	Lime	550	
9	Shale	559	