

TORPE WELL COMPANY
 2340 SIXTH AVENUE
 DES MOINES, IOWA

8-1-8

Drilled for City Water Works at Sioux City, Iowa
West Sixth & Omaha Streets
 Well is located miles N-E-S-W and miles N-E-S-W from
 in the $\frac{1}{4}$ Section Township Range
 Drilling started February 14 19 68 Completed March 14, 19 68
 Well No. 21 ~~22~~ Kind of Well 15 ton No. 1 northern gravel
gravel packed Depth 337' Size hole started 40 in
 Finish 25 G. P. M. 1280 Static Head 70' Pumping level from surface 145'
 Water was first encountered at in Approx. Amt. Temp. 54°
 Remarks Steel and lead seal set on top of 12" blank casing. 12" female connection.

(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
26"	250'	249'		1/2" wall steel casing		
12"	92'	337'	245'	Johnson .035 screen		
12"	21'	245'	224'	stainless steel blank		

Driller Guy Lemar From Surface to feet
 Driller Harold Holland From feet to feet
 Driller From feet to feet

AMOUNT IN FEET	KIND OF SOIL OR FORMATION (BE SPECIFIC)	TOTAL DEPTH FEET
46	yellow clay (very hard) and gravel streaks	46
25	sand and gravel--boulders	71
1	lime ledge	72
5	blue clay	77
1	yellow clay	78
6	blue clay--boulders	84
11	clay, sand, some gravel	95
9	blue and yellow clay and boulders	104
6	blue clay--sand streaks	110
21	coarse gravel--boulders--blue clay streaks	131
5	fine sand--blue clay streaks--boulders	136
8	blue clay and boulders with sand and gravel	144
11	gravel and boulders--iron pyrite	155
14	fine sand--cemented gravel and boulders	169
7	coarse gravel and boulders	176

