

**WATER WORKS IMPROVEMENTS  
OELWEIN, IOWA  
SECTION I  
MUNICIPAL WELL N° 59  
1958**

PLATE N° 8

HOWARD R. GREEN CO., ENGINEERS

CEDAR RAPIDS, IOWA

GEOLOGY CITY WELL N° 42						CONSTRUCTION LOG WELL N° 59							
SYSTEM	FORMATION	DESCRIPTION	THICKNESS FEET	FROM FEET	TO FEET	TOTAL DEPTH FT.	LENGTH SECT. FT.	DIA. BORE INCHES	CASING OD. INCH.	CASING ID. INCH.	TYPE	WALL THICKNESS	
SILURIAN	PLEISTOCENE	DRIFT	29	0	29								
	HOPKINTON	DOLOMITE	46	29	75								
	MANAKEE	DOLOMITE	93	75	168	115	118	31	30	29	8	800	
ORDOVICIAN	MAGUOKETA	BRAINARD DOLOMITIC SHALE	129	168	297								
	FORT ATKINSON	CHERTY LIMESTONE	63	297	360								
	CLERMONT	SHALE	28	360	388								
	ELGIN	LIMESTONE DOLOMITE	92	388	440								
	GALENA	LIMESTONE AND CHERT	220	440	660								
	DECORAH PLATTEVILLE	LIMESTONE AND SHALE	92	660	752	718	243	23				OPEN HOLE	
	ST. PETER	SANDSTONE	60	752	802								
	PRAIRIE DU CHIEN	DOLOMITE SANDY AND CHERTY SANDSTONE 930-980'	368	802	1171	890	172	21	20	19 1/2	8	A09	
	JORDAN	SANDSTONE	119	1171	1290								
	ST. LAWRENCE	DOLOMITE	38	1290	1328								
TOTAL DEPTH WELL N° 42													

ALL DEPTHS ARE REFERRED TO SURFACE ELEVATION OF 1050 AT WELL N° 42

SCALE - HORIZONTAL 1" = 100' VERTICAL 1" = 10'