

1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number									
County: <u>Harvey</u>		SE 1/4 SE 1/4 SW 1/4		29		T 23 S		R 2 E									
Distance and direction from nearest town or city street address of well if located within city?																	
<u>Approximately 2 1/2 miles west and 1 mile north of Halstead</u>																	
2 WATER WELL OWNER:		City of Wichita															
RR#, St. Address, Box # :		455 N. Main															
City, State, ZIP Code :		Wichita, KS 67202															
		Board of Agriculture, Division of Water Resources															
		Application Number:															
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: 200 ft. ELEVATION: unknown															
<div style="text-align: center;">N 1 Mile W E S</div> <table border="1" style="margin: auto; text-align: center;"><tr><td> </td><td> </td></tr><tr><td>NW</td><td>NE</td></tr><tr><td>SW</td><td>SE</td></tr><tr><td> </td><td> </td></tr></table>				NW	NE	SW	SE			Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.							
		NW	NE														
		SW	SE														
WELL'S STATIC WATER LEVEL 53.42 ft. below land surface measured on mo/day/yr 5-7-97																	
Pump test data: Well water was not ch'd ft. after hours pumping gpm																	
Est. Yield unknown gpm: Well water was ft. after hours pumping gpm																	
Bore Hole Diameter 6 in. to 220 ft., and in. to ft.																	
5 TYPE OF BLANK CASING USED:		CASING JOINTS: Glued <input checked="" type="checkbox"/> Clamped															
1 Steel		3 RMP (SR)		6 Asbestos-Cement		9 Other (specify below)		Welded									
2 PVC		4 ABS		7 Fiberglass				Threaded									
Blank casing diameter 2 in. to 188 ft., Dia				in. to ft., Dia				in. to ft.									
Casing height above land surface 24 in., weight 96 lbs./ft.				Wall thickness or gauge No. 218													
TYPE OF SCREEN OR PERFORATION MATERIAL:		7 PVC															
1 Steel		3 Stainless steel		5 Fiberglass		8 RMP (SR)		10 Asbestos-cement									
2 Brass		4 Galvanized steel		6 Concrete tile		9 ABS		11 Other (specify)									
SCREEN OR PERFORATION OPENINGS ARE:		12 None used (open hole)															
1 Continuous slot		3 Mill slot		5 Gauzed wrapped		8 Saw cut		11 None (open hole)									
2 Louvered shutter		4 Key punched		6 Wire wrapped		9 Drilled holes											
SCREEN-PERFORATED INTERVALS:		7 Torch cut															
From 188 ft. to 198 ft., From ft. to ft.		10 Other (specify)															
GRAVEL PACK INTERVALS:		From 186 ft. to 220 ft., From ft. to ft.															
From ft. to ft., From ft. to ft.																	
6 GROUT MATERIAL:		1 Neat cement															
Grout Intervals: From ft. to ft., From ft. to ft., From ft. to ft.		2 Cement grout															
What is the nearest source of possible contamination:		3 Bentonite															
1 Septic tank		4 Lateral lines		7 Pit privy		10 Livestock pens		14 Abandoned water well									
2 Sewer lines		5 Cess pool		8 Sewage lagoon		11 Fuel storage		15 Oil well/Gas well									
3 Watertight sewer lines		6 Seepage pit		9 Feedyard		12 Fertilizer storage		16 Other (specify below)									
						13 Insecticide storage		none known									
Direction from well?		How many feet?															
FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS																	
0 4 Topfill		169 172 Clay, white, soft															
4 13 Clay, brown, hard		172 174 Sand, medium and fine															
13 31 Sand and gravel, coarse, medium, fine		174 187 Clay, green and tan, hard															
		187 198 Sand, medium and fine															
31 52 Clay, gray, hard		198 202 Clay, tan and green, hard															
52 63 Clay, green, hard		202 219 Sand, medium and fine															
63 69 Sand, medium and fine		219 220 Shale, green, hard															
69 83 Clay, green and tan, soft																	
83 97 Sand, medium and fine																	
97 102 Clay, green, soft																	
102 131 Clay, white, soft																	
131 139 Clay, green and brown, hard																	
139 141 Sand, medium and fine																	
141 146 Clay, white, soft																	
146 169 Sand, medium and fine																	
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5-7-97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 5-30-97 under the business name of Clarke Well & Equipment, Inc. by (signature) <i>Clarke Well & Equipment, Inc.</i>																	
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.																	

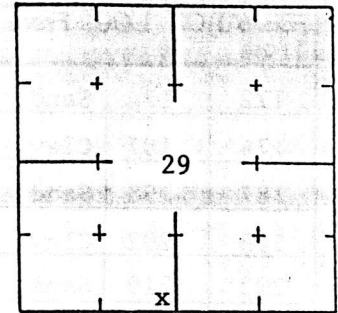
CLARKE WELL & EQUIPMENT, INC.

WELL RECORD

DESIGN & CONSTRUCTION SHEET



JOB NUMBER 3679
 WELL OWNER City of Wichita WELL NO. DMW-H10
 WELL USE Monitor APPROPRIATION NO.
 LOCATION SE 1/4 SE 1/4 SW 1/4, SECTION NO. 29
 T 23 S, R 2 W/E Harvey COUNTY Kansas
40 FSL, 2845 FEL State



SECTION

SIZE HOLE 6 "DIA.

SIZE CASING 2 " DIA. .218 WALL; WT. .96 LBS/FT PVC MATERIAL

SIZE SCREEN 2 " DIA. .218 WALL PVC MATERIAL .030 Mill SLOT/HOLE

FORMATION LOG. From test no. from to			Formation Thickness	From ground level	From	To	Ftg.
0	4	Topfill		Casing	0	188	188
4	13	Clay, brown, hard		Screen	188	198	10
13	31	Sand and gravel, coarse, medium, fine					
31	52	Clay, gray, hard					
52	63	Clay, green, hard					
63	69	Sand, medium and fine					
69	83	Clay, green and tan, soft					
83	97	Sand, medium and fine					
97	102	Clay, green, soft					
102	131	Clay, white, soft					
131	139	Clay, green and brown, hard					
139	141	Sand, medium and fine					
141	146	Clay, white, soft					
146	169	Sand, medium and fine					
169	172	Clay, white, soft		CASING LEFT ABOVE GROUND			2
		CONTINUED ON BACK SIDE		TOTAL CASING & SCREEN			200

STATIC WATER LEVEL 53.42 CHLORINATE None QUANTITY USED
From ground level

GRAVEL PACK

ANNULAR SEAL

186 TO 220 0 TO 186 Bentonite Holeplug
 TO TO

WHAT IS THE NEAREST SOURCE OF POSSIBLE CONTAMINATION None known

DIRECTION FROM WELL HOW MANY FEET

DESIGNED BY DRILLED BY Edward Cass DATE 5-7-97

Continued : formation log data

[illegible]