

1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number				
County: Harvey		SE ¼ SE ¼ SW ¼	29	T 23 S	R 2 EW				
Distance and direction from nearest town or city street address of well if located within city?									
Approximately 1 mile north and 3 miles west of Halstead									
2 WATER WELL OWNER:		City of Wichita							
RR#, St. Address, Box # :		455 N. Main		Board of Agriculture, Division of Water Resources					
City, State, ZIP Code :		Wichita, KS 67202		Application Number:					
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: 220 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>NW</td><td>NE</td></tr><tr><td>SW</td><td>SE</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 . . . ft. below land surface measured on mo/day/yr . . . 7-23-97 . . .							
		Pump test data: Well water was . . not ch'd . . after . . . hours pumping . . . gpm							
Est. Yield unknown gpm: Well water was . . . ft. after . . . hours pumping . . . gpm									
Bore Hole Diameter . . 4.2 . . in. to . . 128 . . ft., and . . 32 . . in. to . . 225 . . ft.		WELL WATER TO BE USED AS:							
1 Domestic		3 Feedlot	6 Oil field water supply	9 Dewatering	12 Other (Specify below)				
2 Irrigation		4 Industrial	7 Lawn and garden only	10 Monitoring well	Recharge Well				
Was a chemical/bacteriological sample submitted to Department? Yes No <input checked="" type="checkbox"/> If yes, mo/day/yr sample was submitted									
Water Well Disinfected? Yes <input checked="" type="checkbox"/> No									
5 TYPE OF BLANK CASING USED:		5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued Clamped					
1 Steel		3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)					
2 PVC		4 ABS	7 Fiberglass	stainless steel					
Blank casing diameter . . 18 . . in. to . . 145 . . ft., Dia . . 18 . . in. to . . 150 . . ft., Dia . . 18" to 186" in. to . . 18" to 218" ft.		Threaded							
Casing height above land surface . . 24 . . in., weight . . 70.59 . . lbs./ft. Wall thickness or gauge No. . . 375									
TYPE OF SCREEN OR PERFORATION MATERIAL:		7 PVC	10 Asbestos-cement						
1 Steel		3 Stainless steel	5 Fiberglass	8 RMP (SR)	11 Other (specify)				
2 Brass		4 Galvanized steel	6 Concrete tile	9 ABS	12 None used (open hole)				
SCREEN OR PERFORATION OPENINGS ARE:		5 Gauzed wrapped	8 Saw cut	11 None (open hole)					
1 Continuous slot		3 Mill slot	6 Wire wrapped	9 Drilled holes					
2 Louvered shutter		4 Key punched	7 Torch cut	10 Other (specify)					
SCREEN-PERFORATED INTERVALS:		From . . . 150 . . ft. to . . 170 . . ft., From ft. to ft.							
		From . . . 186 . . ft. to . . 216 . . ft., From ft. to ft.							
GRAVEL PACK INTERVALS:		From . . . 125 . . ft. to . . 225 . . ft., From ft. to ft.							
		From ft. to ft., From ft. to ft.							
6 GROUT MATERIAL:		1 Neat cement	2 Cement grout	3 Bentonite	4 Other Bentonite Holeplug				
Grout Intervals: From . . . 0 . . ft. to . . 25 . . ft., From . . . 25 . . ft. to . . 122 . . ft., From . . . 122 . . ft. to . . 125 . . ft.		Chlorinated sand							
What is the nearest source of possible contamination:		10 Livestock pens	14 Abandoned water well						
1 Septic tank		4 Lateral lines	7 Pit privy	11 Fuel storage	15 Oil well/Gas well				
2 Sewer lines		5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	16 Other (specify below)				
3 Watertight sewer lines		6 Seepage pit	9 Feedyard	13 Insecticide storage	None known				
Direction from well?		How many feet?							
FROM	TO	LITHOLOGIC LOG	FROM	TO	RECHARGING INTERVALS				
0	1	Topsoil	134	138	Clay with sand and gravel				
1	15	Clay, sandy	138	141	Sand and gravel, fine to very fine				
15	25	Sand and gravel, fine, medium	141	147	Clay, brown, sandy				
25	29	Sand and gravel, very fine, fine	147	171	Sand and gravel, fine, medium				
29	40	Clay, gray	171	178	Clay, green				
40	44	Clay, black	178	209	Sand and gravel, fine, medium				
44	50	Clay with fine sand	209	210	Clay				
50	58	Clay, green	210	216	Sand and gravel, fine, medium				
58	68	Sand and gravel, fine, medium	216	225	Clay, black				
68	85	Clay							
85	98	Sand and gravel, fine, medium							
98	103	Clay							
103	107	Sand and gravel							
107	130	Clay, some sand							
130	134	Sand and gravel, fine, medium							
NOTE: (4) 4" steel pipes connected to the 18" casing at a position 120 feet below ground level.									
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) 7-23-97 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) 8-6-97 under the business name of Clarke Well & Equipment, Inc. by (signature) <i>Clarke Well & Equipment</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.									

OFFICE USE ONLY

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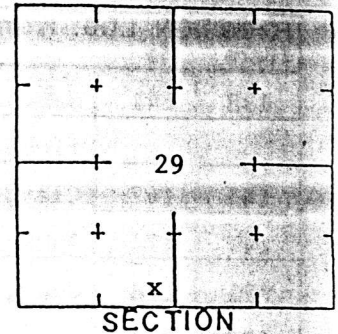
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CLARKE WELL & EQUIPMENT, INC.

WELL RECORD DESIGN & CONSTRUCTION SHEET



JOB NUMBER 3679
 WELL OWNER City of Wichita WELL NO. Recharge Well
 WELL USE Recharge Well 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
 _____ FSL, _____ FEL



SIZE HOLE 42" DIA. From 0' To 128' & 32" DIA. From 128' To 225'
 SIZE CASING 18 " DIA. .375 WALL; WT. 70.59 LBS/FT steel & steel MATERIAL stainless
 SIZE SCREEN 18 " DIA. _____ WALL steel MATERIAL .060 Continuous SLOT/ FOUR

FORMATION LOG. From test no. from to			Formation Thickness	FROM GROUND LEVEL	FROM	TO	FTG
0	1	Topsoil		Steel Casing	0	145	145
1	15	Clay, sandy		Stainless Steel Casing	145	150	5
15	25	Sand and gravel, fine, medium		Screen	150	170	20
25	29	Sand and gravel, very fine, fine		Stainless Steel Casing	170	186	16
29	40	Clay, gray		Screen	186	216	30
40	44	Clay, black		Stainless Steel Casing	216	218	2
44	50	Clay with fine sand					
50	58	Clay, green					
58	68	Sand and gravel, fine, medium		(4) 4" steel			
68	85	Clay		pipes connected			
85	98	Sand and gravel, fine, medium		to the 18" casing			
98	103	Clay		at a position			
103	107	Sand and gravel		120 feet below			
107	130	Clay, some sand		ground level.			
130	134	Sand and gravel, fine, medium					
134	138	Clay with sand and gravel		CASING LEFT ABOVE GROUND			3.2
		CONTINUED ON BACK SIDE		TOTAL CASING AND SCREEN			221.2

STATIC WATER LEVEL 53' CHLORINATE 55 gallons QUANTITY USED
 From ground level 10% sodium hypochlorite

GRAVEL PACK ANNULAR SEAL
25 TO 122 Road Sand 0 TO 25 Concrete Grout
125 TO 225 122 TO 125 Bentonite Holeplug

WHAT IS THE NEAREST SOURCE OF POSSIBLE CONTAMINATION None known
 DIRECTION FROM WELL _____ HOW MANY FEET _____
 DESIGNED BY _____ DRILLED BY Mark Esfeld DATE 7-23-97

Continued : formation log data

[illegible]