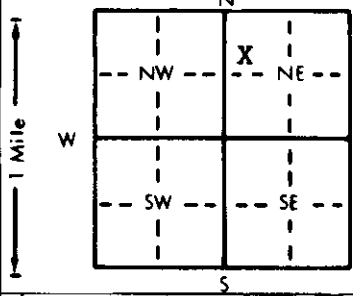


1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number																																																																																																						
County: Gray		SW 1/4 NW 1/4 NE 1/4	31	T 27 S	R 30 EW																																																																																																						
Distance and direction from nearest town or city street address of well if located within city? 8 1/2 North 3/4 West 1/2 South of Copeland																																																																																																											
2 WATER WELL OWNER: Ferris Hornbaker																																																																																																											
RR#, St. Address, Box # : 24502 2 Road																																																																																																											
City, State, ZIP, Code : Copeland, Kansas 67837																																																																																																											
Board of Agriculture, Division of Water Resources Application Number: 12919																																																																																																											
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL 420 ft. ELEVATION:																																																																																																									
<div style="text-align: center;"></div>		Depth(s) Groundwater Encountered 1. 229 ft. 2. 259 ft. 3. 369 ft. 4. 400 ft.																																																																																																									
		WELL'S STATIC WATER LEVEL 219 ft. below land surface measured on mo/day/yr 6-4-96																																																																																																									
		Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm																																																																																																									
		Est. Yield 1100 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm																																																																																																									
		Bore Hole Diameter _____ in. to _____ ft. and _____ in. to _____ ft.																																																																																																									
		WELL WATER TO BE USED AS:																																																																																																									
		5 Public water supply 8 Air conditioning 11 Injection well																																																																																																									
		1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)																																																																																																									
		2 <u>Irrigation</u> 4 Industrial 7 Lawn and garden only 10 Monitoring well																																																																																																									
		Was a chemical/bacteriological sample submitted to Department? Yes _____ No X If yes, mo/day/yr sample was submitted _____																																																																																																									
		Water Well Disinfected? Yes X No _____																																																																																																									
5 TYPE OF BLANK CASING USED:																																																																																																											
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: <u>Glued</u> Clamped _____																																																																																																											
2 <u>PVC</u> 4 ABS 6 Asbestos-Cement 9 Other (specify below) <u>Welded</u> _____																																																																																																											
7 Fiberglass _____ Threaded _____																																																																																																											
Blank casing diameter 16 in. to 360 ft. Dia _____ in. to _____ ft. Dia _____ in. to _____ ft.																																																																																																											
Casing height above land surface 12 in., weight _____ lbs./ft. Wall thickness or gauge No. CL160																																																																																																											
TYPE OF SCREEN OR PERFORATION MATERIAL:																																																																																																											
1 Steel 3 Stainless steel 5 Fiberglass 7 <u>PVC</u> 10 Asbestos-cement																																																																																																											
2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) _____																																																																																																											
9 ABS 12 None used (open hole)																																																																																																											
SCREEN OR PERFORATION OPENINGS ARE:																																																																																																											
1 Continuous slot 5 Gauzed wrapped 8 <u>Saw cut</u> 11 None (open hole)																																																																																																											
2 Louvered shutter 3 Mill slot 6 Wire wrapped 9 Drilled holes																																																																																																											
4 Key punched 7 Torch cut 10 Other (specify) _____																																																																																																											
SCREEN-PERFORATED INTERVALS: From 360 ft. to 420 ft. From _____ ft. to _____ ft.																																																																																																											
From _____ ft. to _____ ft. From _____ ft. to _____ ft.																																																																																																											
GRAVEL PACK INTERVALS: From 20 ft. to 420 ft. From _____ ft. to _____ ft.																																																																																																											
From _____ ft. to _____ ft. From _____ ft. to _____ ft.																																																																																																											
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 <u>Bentonite</u> 4 Other _____																																																																																																											
Grout intervals: From 0 ft. to 20 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.																																																																																																											
What is the nearest source of possible contamination:																																																																																																											
1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 <u>Abandoned water well</u>																																																																																																											
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 _____																																																																																																											
Direction from well? South How many feet? 300																																																																																																											
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>PLUGGING INTERVALS</th></tr></thead><tbody><tr><td>0</td><td>15</td><td>Topsoil & clay</td><td>225</td><td>229</td><td>Cemented Sand</td></tr><tr><td>15</td><td>45</td><td>Clay</td><td>229</td><td>233</td><td>Sand & little cementedsand</td></tr><tr><td>45</td><td>60</td><td>Clay & Fine Sand</td><td>233</td><td>236</td><td>Cemented Sand</td></tr><tr><td>60</td><td>75</td><td>Clay & little fine sand</td><td>236</td><td>238</td><td>Cemented sand (very hard)</td></tr><tr><td>75</td><td>105</td><td>Clay & little lime & little fine sand</td><td>238</td><td>241</td><td>Sand</td></tr><tr><td>105</td><td>120</td><td>Clay (kavey) & little lime</td><td>241</td><td>259</td><td>Clay</td></tr><tr><td>120</td><td>123</td><td>Clay</td><td>259</td><td>266</td><td>Sand & 3 1' Cemented sand</td></tr><tr><td>123</td><td>135</td><td>Sand & little clay</td><td>266</td><td>270</td><td>Clay</td></tr><tr><td>135</td><td>165</td><td>Sand & Gravel & little cemented sand</td><td>270</td><td>285</td><td>Clay & little lime</td></tr><tr><td>165</td><td>180</td><td>Sand & little clay</td><td>285</td><td>290</td><td>Sand</td></tr><tr><td>180</td><td>195</td><td>Sand & 1' clay</td><td>290</td><td>369</td><td>Clay & little lime</td></tr><tr><td>195</td><td>210</td><td>Sand</td><td>369</td><td>373</td><td>Sand (fine)</td></tr><tr><td>210</td><td>221</td><td>Sand & little cemented sand & Gravel</td><td>373</td><td>375</td><td>Clay</td></tr><tr><td>221</td><td>224</td><td>Cemented sand & little sand</td><td>375</td><td>390</td><td>Clay & little lime</td></tr><tr><td>224</td><td>225</td><td>Clay</td><td>390</td><td>399</td><td>Sand & 1' clay 399 - 400 Cemented</td></tr><tr><td></td><td></td><td></td><td>400</td><td>416</td><td>Sand (course) 416 - 420 Clay & li</td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS	0	15	Topsoil & clay	225	229	Cemented Sand	15	45	Clay	229	233	Sand & little cementedsand	45	60	Clay & Fine Sand	233	236	Cemented Sand	60	75	Clay & little fine sand	236	238	Cemented sand (very hard)	75	105	Clay & little lime & little fine sand	238	241	Sand	105	120	Clay (kavey) & little lime	241	259	Clay	120	123	Clay	259	266	Sand & 3 1' Cemented sand	123	135	Sand & little clay	266	270	Clay	135	165	Sand & Gravel & little cemented sand	270	285	Clay & little lime	165	180	Sand & little clay	285	290	Sand	180	195	Sand & 1' clay	290	369	Clay & little lime	195	210	Sand	369	373	Sand (fine)	210	221	Sand & little cemented sand & Gravel	373	375	Clay	221	224	Cemented sand & little sand	375	390	Clay & little lime	224	225	Clay	390	399	Sand & 1' clay 399 - 400 Cemented				400	416	Sand (course) 416 - 420 Clay & li
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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) 6-13-96 and this record is true to the best of my knowledge and belief. Kansas																																																																																																											
Water Well Contractor's License No. 223 This Water Well Record was completed on (mo/day/yr) 6-13-96																																																																																																											
under the business name of Dunham Drilling by (signature) <i>Karen Dunham</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.																																																																																																											