

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:		Fraction County: Gray NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$	Section Number 32	Township Number T 28 S	Range Number R 30 E/W																																																																																										
Distance and direction from nearest town or city street address of well if located within city? 1/2 mile East & 2 North of Copeland																																																																																															
2 WATER WELL OWNER:		Hal Bogart RR#, St. Address, Box # : 30005 3 Road City, State, ZIP Code : Copeland, Kansas 67837																																																																																													
		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 420 ft. ELEVATION: Depth(s) Groundwater Encountered 1 232 ft. 2 255 ft. 3 270 ft. 3 312 ft. WELL'S STATIC WATER LEVEL 210 ft. below land surface measured on mo/day/yr Oct. 2, 2009 Pump test data: Well water was ft. after hours pumping gpm Est. Yield 1.0 gpm: Well water was ft. after hours pumping gpm 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 Irrigation 4 Industrial 7 Domestic (lawn & garden) 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>																																																																																													
5 TYPE OF BLANK CASING USED:		5 Wrought iron 1 Steel 2 PVC	8 Concrete tile 6 Asbestos-Cement 7 Fiberglass	CASING JOINTS: Glued <input checked="" type="checkbox"/> Clamped Welded Threaded																																																																																											
Blank casing diameter 5 in. to 0-24.0 ft., Dia 5" in. to 26.0-28 ft., Dia 5" in. to 320-400 ft.																																																																																															
Casing height above land surface 1.2 in., weight lbs./ft. Wall thickness or guage No. SDR26																																																																																															
TYPE OF SCREEN OR PERFORATION MATERIAL:																																																																																															
1 Steel 2 Brass		3 Stainless Steel 4 Galvanized Steel	5 Fiberglass 6 Concrete tile	7 PVC 8 RMP (SR) 9 ABS	10 Asbestos-Cement 11 Other (Specify) 12 None used (open hole)																																																																																										
SCREEN OR PERFORATION OPENINGS ARE:																																																																																															
1 Continuous slot 2 Louvered shutter		3 Mill slot 4 Key punched	5 Guazed wrapped 6 Wire wrapped 7 Torch cut	8 Saw cut 9 Drilled holes 10 Other (specify)	11 None (open hole)																																																																																										
SCREEN-PERFORATED INTERVALS: From 240-260 ft. to 280-320 ft., From 40.0-42.0 ft. to ft.																																																																																															
From ft. to ft., From ft. to ft., From ft. to ft.																																																																																															
GRAVEL PACK INTERVALS: From 0 ft. to 20 ft., From ft. to ft., From ft. to ft.																																																																																															
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6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other																																																																																															
Grout Intervals: From 20-16 Bentonite ft., From 10-0 Cement ft., From ft. to ft.																																																																																															
What is the nearest source of possible contamination:																																																																																															
1 Septic tank 2 Sewer lines 3 Watertight sewer lines		4 Lateral lines 5 Cess pool 6 Seepage pit	7 Pit privy 8 Sewage lagoon 9 Feedyard	10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage	14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)																																																																																										
Direction from well? How many feet?																																																																																															
<table border="1"> <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 & little lime</td><td>195</td><td>218</td><td>Sand</td></tr> <tr><td>15</td><td>35</td><td>Clay & little lime</td><td>218</td><td>219</td><td>Lime (very hard)</td></tr> <tr><td>35</td><td>84</td><td>Clay & little lime</td><td>219</td><td>225</td><td>Clay & little lime</td></tr> <tr><td>84</td><td>90</td><td>Clay & little lime (hard)</td><td>225</td><td>232</td><td>Clay & little lime (very hard)</td></tr> <tr><td>90</td><td>102</td><td>Clay with lime</td><td>232</td><td>240</td><td>Sand with cemented sand</td></tr> <tr><td>102</td><td>105</td><td>Sand</td><td>240</td><td>247</td><td>Sand with cemented sand</td></tr> <tr><td>105</td><td>120</td><td>Clay, lime & little sand</td><td>247</td><td>252</td><td>Lime (hard) & clay</td></tr> <tr><td>120</td><td>135</td><td>Clay & sand</td><td>252</td><td>253</td><td>Sand</td></tr> <tr><td>135</td><td>150</td><td>Sand & little clay</td><td>253</td><td>255</td><td>Lime (hard) & clay</td></tr> <tr><td>150</td><td>156</td><td>Sand & little clay</td><td>255</td><td>266</td><td>Sand (tight) & little clay</td></tr> <tr><td>156</td><td>159</td><td>Lime (very hard) & clay</td><td>266</td><td>267</td><td>Lime (very hard)</td></tr> <tr><td>159</td><td>165</td><td>Sand & little lime</td><td>267</td><td>270</td><td>Clay & lime (hard)</td></tr> <tr><td>165</td><td>180</td><td>Sand</td><td>270</td><td>280</td><td>Sand, clay & cemented sand</td></tr> <tr><td>180</td><td>195</td><td>Sand & little clay</td><td>280</td><td>285</td><td>Lime (hard) & clay</td></tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS	0	15	Topsoil, clay & little lime	195	218	Sand	15	35	Clay & little lime	218	219	Lime (very hard)	35	84	Clay & little lime	219	225	Clay & little lime	84	90	Clay & little lime (hard)	225	232	Clay & little lime (very hard)	90	102	Clay with lime	232	240	Sand with cemented sand	102	105	Sand	240	247	Sand with cemented sand	105	120	Clay, lime & little sand	247	252	Lime (hard) & clay	120	135	Clay & sand	252	253	Sand	135	150	Sand & little clay	253	255	Lime (hard) & clay	150	156	Sand & little clay	255	266	Sand (tight) & little clay	156	159	Lime (very hard) & clay	266	267	Lime (very hard)	159	165	Sand & little lime	267	270	Clay & lime (hard)	165	180	Sand	270	280	Sand, clay & cemented sand	180	195	Sand & little clay	280	285	Lime (hard) & clay
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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) October 2, 2009 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 223 . This Water Well Record was completed on (mo/day/yr) 10-14-09 by (signature) Jaean Dunham																																																																																															
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, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.																																																																																															

285	293	Sand & clay
293	300	Clay with lime (very very hard)
300	312	Clay with lime (very very hard)
312	315	Cemented sand (very very hard & little sand)
315	318	Lime (very very hard)
318	342	Clay & little lime
342	345	Lime (hard) & clay
345	370	Clay & little lime
370	389	Lime (very hard) with clay
389	396	Clay
396	414	Lime (hard & very hard) & clay
414	417	Rock (very very hard)
417	420	Shale (very hard) (gray & red)