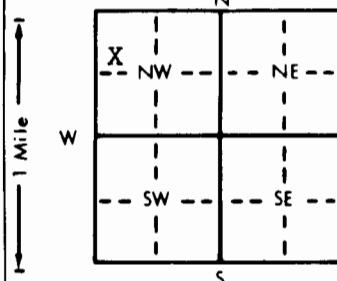


## WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL:		Fraction County: Gray SW 1/4 SW 1/4 NW 1/4	Section Number 15	Township Number T 29 S	Range Number R 29 E/W																																																																																																
Distance and direction from nearest town or city street address of well if located within city? <b>4 1/2 South 2 West 1/2 South of Montezuma</b>																																																																																																					
2 WATER WELL OWNER: Mr. Hal Hedlund RR#, St. Address, Box # : Box 158 City, State, ZIP Code : Montezuma, Ks. 67867		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 . . . . . 280 ft. ELEVATION: . . . . . Depth(s) Groundwater Encountered 1 . . . . . 232 ft. 2 . . . . . 240 ft. 3 . . . . . ft. WELL'S STATIC WATER LEVEL . . . . . 140 ft. below land surface measured on mo/day/yr . . . . . 10-22-97 Pump test data: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm Est. Yield . . . . . 15 gpm: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm Bore Hole Diameter . . . . . 10 in. to . . . . . 280 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 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring 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: 1 Steel 3 RMP (SR) 2 PVC 4 ABS		5 Wrought iron 6 Asbestos-Cement 7 Fiberglass	8 Concrete tile 9 Other (specify below)	CASING JOINTS: Glued . . . . . Clamped . . . . . Welded . . . . . Threaded . . . . .																																																																																																	
Blank casing diameter . . . . . 5 in. to . . . . . 150 ft., Dia . . . . . 5 in. to . . . . . 190-260 ft., Dia . . . . . in. to . . . . . ft. Casing height above land surface . . . . . 24 in., weight . . . . . lbs./ft. Wall thickness or gauge No. . . . . 0-200 SSDR21																																																																																																					
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) 12 None used (open hole)																																																																																																					
SCREEN OR PERFORATION OPENINGS ARE: 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 10 Other (specify)																																																																																																					
SCREEN-PERFORATED INTERVALS: From . . . . . 160 ft. to . . . . . 190 ft., From . . . . . 260 ft. to . . . . . 280 ft. From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft. GRAVEL PACK INTERVALS: From . . . . . 13 ft. to . . . . . 280 ft. except for 3' 135' 138' ft. above water level From . . . . . ft. to . . . . . ft., From . . . . . ft. to . . . . . ft.																																																																																																					
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other . . . . . Grout Intervals: From . . . . . 3 ft. to . . . . . 13 ft., From . . . . . 135 ft. to . . . . . 138 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 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)																																																																																																					
Direction from well? <b>East downhill</b> How many feet? <b>300</b>																																																																																																					
<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>45</td><td>Topsoil, clay &amp; little lime</td><td>225</td><td>232</td><td>C1 y &amp; little fine sand</td></tr> <tr><td>45</td><td>71</td><td>Clay &amp; little lime</td><td>232</td><td>233</td><td>Sand</td></tr> <tr><td>71</td><td>75</td><td>Sand</td><td>233</td><td>240</td><td>Clay (yellow)</td></tr> <tr><td>75</td><td>90</td><td>Clay &amp; little lime</td><td>240</td><td>255</td><td>Cemented Sand (hard) &amp; sandstone &amp; clay</td></tr> <tr><td>90</td><td>105</td><td>Clay &amp; little sand</td><td>255</td><td>263</td><td>Cemented Sand (hard) &amp; sandstone (hard &amp; dirty &amp; Clay)</td></tr> <tr><td>105</td><td>120</td><td>Sand &amp; little clay</td><td>263</td><td>270</td><td>Sandstone (hard &amp; dirty)</td></tr> <tr><td>120</td><td>135</td><td>Sand</td><td>270</td><td>280</td><td>Shale (very hard &amp; gray)</td></tr> <tr><td>135</td><td>136</td><td>Cemented sand (very hard)</td><td></td><td></td><td></td></tr> <tr><td>136</td><td>150</td><td>Sand &amp; clay</td><td></td><td></td><td></td></tr> <tr><td>150</td><td>158</td><td>Sand</td><td></td><td></td><td></td></tr> <tr><td>158</td><td>165</td><td>Lime (very hard) &amp; little clay</td><td></td><td></td><td></td></tr> <tr><td>165</td><td>167</td><td>Lime (very hard)</td><td></td><td></td><td></td></tr> <tr><td>167</td><td>178</td><td>Clay &amp; Sand</td><td></td><td></td><td></td></tr> <tr><td>178</td><td>180</td><td>Lime (hard)</td><td></td><td></td><td></td></tr> <tr><td>180</td><td>225</td><td>Clay &amp; little lime</td><td></td><td></td><td></td></tr> </tbody> </table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS	0	45	Topsoil, clay & little lime	225	232	C1 y & little fine sand	45	71	Clay & little lime	232	233	Sand	71	75	Sand	233	240	Clay (yellow)	75	90	Clay & little lime	240	255	Cemented Sand (hard) & sandstone & clay	90	105	Clay & little sand	255	263	Cemented Sand (hard) & sandstone (hard & dirty & Clay)	105	120	Sand & little clay	263	270	Sandstone (hard & dirty)	120	135	Sand	270	280	Shale (very hard & gray)	135	136	Cemented sand (very hard)				136	150	Sand & clay				150	158	Sand				158	165	Lime (very hard) & little clay				165	167	Lime (very hard)				167	178	Clay & Sand				178	180	Lime (hard)				180	225	Clay & little lime			
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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) . . . . . 10/24/97 . . . . . 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) . . . . . 11/10/97 . . . . . under the business name of <b>Dunham Drilling, Inc.</b> by (signature) <b>Karen Dunham</b>																																																																																																					
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.																																																																																																					