

1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number																																																																																											
County: McPherson		NW 1/4 SE 1/4 NE 1/4		5		T 20 S		R 3 EW																																																																																											
Distance and direction from nearest town or city street address of well if located within city? 1/2 mile south of McPherson																																																																																																			
2 WATER WELL OWNER: NCRA REFINERY																																																																																																			
RR#, St. Address, Box #: BOX 1167					Board of Agriculture, Division of Water Resources																																																																																														
City, State, ZIP Code: MCPHERSON, KS 67460					Application Number:																																																																																														
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: 155 ft. ELEVATION: 1337																																																																																																	
N --- NW --- NE --- X --- SW --- SE --- S W E 1 Mile		Depth(s) Groundwater Encountered 1. 84.31 ft. 2. . ft. 3. . ft.																																																																																																	
		WELL'S STATIC WATER LEVEL 84.31 ft. below land surface measured on mo/day/yr 9-8-87																																																																																																	
		Pump test data: Well water was N/A ft. after . hours pumping . gpm																																																																																																	
		Est. Yield . gpm: Well water was . ft. after . hours pumping . gpm																																																																																																	
		Bore Hole Diameter 5 5/8 in. to 167 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 <u>Observation well</u>																																																																																																			
Was a chemical/bacteriological sample submitted to Department? Yes . No X .; If yes, mo/day/yr sample was submitted .																																																																																																			
Water Well Disinfected? Yes . No .																																																																																																			
5 TYPE OF BLANK CASING USED:																																																																																																			
1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped																																																																																																			
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded																																																																																																			
7 Fiberglass Threaded																																																																																																			
Blank casing diameter 2 in. to 65 ft., Dia in. to ft., Dia in. to ft.																																																																																																			
Casing height above land surface 48 in., weight lbs./ft. Wall thickness or gauge No. Sch. 40																																																																																																			
TYPE OF SCREEN OR PERFORATION MATERIAL:																																																																																																			
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)																																																																																																			
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																																																																																																			
7 Torch cut 10 Other (specify)																																																																																																			
SCREEN-PERFORATED INTERVALS: From 65 ft. to 155 ft., From ft. to ft.																																																																																																			
From ft. to ft., From ft. to ft.																																																																																																			
GRAVEL PACK INTERVALS: From 62 ft. to 167 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																																																																																																			
Grout Intervals: From 0 ft. to 22 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)																																																																																																			
13 Insecticide storage																																																																																																			
Direction from well? How many feet?																																																																																																			
<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>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>40</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>40</td><td>70</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>70</td><td>74</td><td>Gravel</td><td></td><td></td><td></td></tr><tr><td>74</td><td>92</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>92</td><td>96</td><td>Silt</td><td></td><td></td><td></td></tr><tr><td>96</td><td>108</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>108</td><td>116</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>116</td><td>130</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>130</td><td>136</td><td>Sand/Gravel</td><td></td><td></td><td></td></tr><tr><td>136</td><td>144</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>144</td><td>150</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>150</td><td>160</td><td>Sand/Gravel</td><td></td><td></td><td></td></tr><tr><td>160</td><td>166</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>166</td><td>167</td><td>Shale</td><td></td><td></td><td></td></tr></tbody></table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	40	Clay				40	70	Sand				70	74	Gravel				74	92	Sand				92	96	Silt				96	108	Sand				108	116	Clay				116	130	Sand				130	136	Sand/Gravel				136	144	Clay				144	150	Sand				150	160	Sand/Gravel				160	166	Clay				166	167	Shale			
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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) 8-31-87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 9-15-87 under the business name of Henkle Drilling & Supply Co., Inc. by (signature) <i>Bruce J. Richmond</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 Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.																																																																																																			