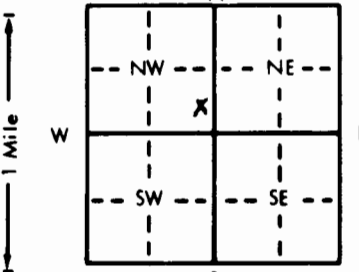


1 LOCATION OF WATER WELL: County: <b>McPherson</b>		Fraction <b>SE 1/4 SE 1/4 NW 1/4</b>		Section Number <b>5</b>	Township Number <b>20 S</b>	Range Number <b>3 E(W)</b>																																																																																																
Distance and direction from nearest town or city street address of well if located within city? <b>1/2 mile south of McPherson</b>																																																																																																						
2 WATER WELL OWNER: <b>NCRA REFINERY</b> RR#, St. Address, Box #: <b>BOX 1167</b> City, State, ZIP Code: <b>MCPHERSON, KS 67460</b> 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: <b>151</b> ft. ELEVATION: <b>1341</b> Depth(s) Groundwater Encountered 1. <b>79.60</b> ft. 2. _____ ft. 3. _____ ft. WELL'S STATIC WATER LEVEL <b>79.60</b> ft. below land surface measured on mo/day/yr <b>9-8-87</b> Pump test data: Well water was <b>N/A</b> ft. after _____ hours pumping _____ gpm Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter <b>5 5/8</b> in. to <b>179</b> 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 Observation well Was a chemical/bacteriological sample submitted to Department? Yes _____ No <b>X</b> 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 <b>2</b> in. to <b>66</b> ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft. Casing height above land surface <b>48</b> in., weight _____ lbs./ft. Wall thickness or gauge No. <b>Sch. 40</b> 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) _____ 9 ABS 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 <b>66</b> ft. to <b>151</b> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <b>62</b> ft. to <b>179</b> 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 <b>0</b> ft. to <b>21</b> 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) <b>surrounded</b> 13 Insecticide storage 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>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>20</td><td>Clay</td><td>147</td><td>150</td><td>Clay</td></tr><tr><td>20</td><td>55</td><td>Silt</td><td>150</td><td>156</td><td>Sand</td></tr><tr><td>55</td><td>60</td><td>Silt/Clay</td><td>156</td><td>160</td><td>Clay</td></tr><tr><td>60</td><td>67</td><td>Clay</td><td>160</td><td>176</td><td>Sand</td></tr><tr><td>67</td><td>72</td><td>Sand</td><td>176</td><td>178</td><td>Clay</td></tr><tr><td>72</td><td>74</td><td>Clay</td><td>178</td><td>179</td><td>Shale</td></tr><tr><td>74</td><td>76</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>76</td><td>78</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>78</td><td>90</td><td>Gravel</td><td></td><td></td><td></td></tr><tr><td>90</td><td>114</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>114</td><td>115</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>115</td><td>120</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>120</td><td>130</td><td>Sand/Gravel</td><td></td><td></td><td></td></tr><tr><td>130</td><td>140</td><td>Gravel</td><td></td><td></td><td></td></tr><tr><td>140</td><td>147</td><td>Sand</td><td></td><td></td><td></td></tr></tbody></table>							FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	20	Clay	147	150	Clay	20	55	Silt	150	156	Sand	55	60	Silt/Clay	156	160	Clay	60	67	Clay	160	176	Sand	67	72	Sand	176	178	Clay	72	74	Clay	178	179	Shale	74	76	Sand				76	78	Clay				78	90	Gravel				90	114	Sand				114	115	Clay				115	120	Sand				120	130	Sand/Gravel				130	140	Gravel				140	147	Sand			
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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) <b>9-3-87</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <b>145</b> This Water Well Record was completed on (mo/day/yr) <b>9-15-87</b> under the business name of <b>Henkle Drilling &amp; Supply Co., Inc.</b> by (signature) <i>Daniel R. Henkle</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.																																																																																																						