

1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number																																																																																																	
County: McPherson		NE 1/4 NE 1/4 NE 1/4		5		T 20 S		R 3 E																																																																																																	
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 # : P O Box 1167, 2000 S. Main																																																																																																									
City, State, ZIP Code : McPherson, KS 67460																																																																																																									
Board of Agriculture, Division of Water Resources Application Number:																																																																																																									
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:																																																																																																									
<div style="text-align: center;">N 1 Mile W E S</div> <table border="1" style="margin: auto; text-align: center;"><tr><td></td><td></td><td></td><td>X</td></tr><tr><td>NW</td><td></td><td></td><td>NE</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SW</td><td></td><td></td><td>SE</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>					X	NW			NE					SW			SE					4 DEPTH OF COMPLETED WELL 137 ft. ELEVATION: 1355																																																																																			
					X																																																																																																				
		NW			NE																																																																																																				
		SW			SE																																																																																																				
Depth(s) Groundwater Encountered 1. 91.33 ft. 2. ft. 3. ft.																																																																																																									
WELL'S STATIC WATER LEVEL 91.33 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 168 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 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 62 ft. Dia in. to ft. Dia in. to ft.																																																																																																									
Casing height above land surface 24 in. weight lbs./ft. Wall thickness or gauge No. SCH 40																																																																																																									
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																																																																																																									
7 Torch cut 10 Other (specify)																																																																																																									
SCREEN-PERFORATED INTERVALS: From 62 ft. to 137 ft. From ft. to ft.																																																																																																									
From ft. to ft. From ft. to ft.																																																																																																									
GRAVEL PACK INTERVALS: From 59 ft. to 168 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 28 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 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%;"><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>45</td><td>01 Clay</td><td>110</td><td>114</td><td>05 Sand</td></tr><tr><td>45</td><td>50</td><td>03 Silt/Clay</td><td>114</td><td>121</td><td>01 Clay</td></tr><tr><td>50</td><td>55</td><td>01 Clay</td><td>121</td><td>129</td><td>02 Silt</td></tr><tr><td>55</td><td>60</td><td>03 Silt/Clay</td><td>129</td><td>130</td><td>01 Clay</td></tr><tr><td>60</td><td>65</td><td>05 Sand</td><td>130</td><td>150</td><td>05 Sand</td></tr><tr><td>65</td><td>69</td><td>17 Sand/Gravel</td><td>150</td><td>162</td><td>11 Gravel</td></tr><tr><td>69</td><td>76</td><td>01 Clay</td><td>162</td><td>166</td><td>01 Clay</td></tr><tr><td>76</td><td>82</td><td>03 Silt/Sand</td><td>166</td><td>168</td><td>19 Shale</td></tr><tr><td>82</td><td>90</td><td>05 Sand</td><td></td><td></td><td></td></tr><tr><td>90</td><td>92</td><td>02 Silt</td><td></td><td></td><td></td></tr><tr><td>92</td><td>94</td><td>01 Clay</td><td></td><td></td><td></td></tr><tr><td>94</td><td>96</td><td>02 Silt</td><td></td><td></td><td></td></tr><tr><td>96</td><td>98</td><td>01 Clay</td><td></td><td></td><td></td></tr><tr><td>98</td><td>100</td><td>03 Silt/Clay</td><td></td><td></td><td></td></tr><tr><td>100</td><td>110</td><td>01 Clay</td><td></td><td></td><td></td></tr></tbody></table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	45	01 Clay	110	114	05 Sand	45	50	03 Silt/Clay	114	121	01 Clay	50	55	01 Clay	121	129	02 Silt	55	60	03 Silt/Clay	129	130	01 Clay	60	65	05 Sand	130	150	05 Sand	65	69	17 Sand/Gravel	150	162	11 Gravel	69	76	01 Clay	162	166	01 Clay	76	82	03 Silt/Sand	166	168	19 Shale	82	90	05 Sand				90	92	02 Silt				92	94	01 Clay				94	96	02 Silt				96	98	01 Clay				98	100	03 Silt/Clay				100	110	01 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) 8-26-87 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. Reichmuth</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.																																																																																																									