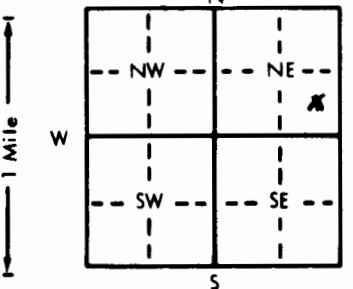


1 LOCATION OF WATER WELL: County: McPherson	Fraction NE 1/4 SE 1/4 NE 1/4	Section Number 5	Township Number T 20 S	Range Number R 3 EW
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Distance and direction from nearest town or city street address of well if located within city?

 $\frac{1}{2}$ mile south of McPherson

2 WATER WELL OWNER: NCRA REFINERY RR#, St. Address, Box # : BOX 1167 City, State, ZIP Code : MCPHERSON, KS 67460	Board of Agriculture, Division of Water Resources Application Number:
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: 	4 DEPTH OF COMPLETED WELL: 150 ft. ELEVATION: 1342 Depth(s) Groundwater Encountered 1. 88.06 ft. 2. 88.06 ft. 3. 88.06 ft. WELL'S STATIC WATER LEVEL 88.06 ft. below land surface measured on mo/day/yr 9-8-87 Pump test data: Well water was N/A ft. after 9-8-87 hours pumping 9-8-87 gpm Est. Yield 5 5/8 gpm: Well water was 169 ft. after 169 hours pumping 169 gpm Bore Hole Diameter 5 5/8 in. to 169 ft., and 169 in. to 169 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 X No X ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes X No X
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5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped X 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded X 7 Fiberglass Threaded X Blank casing diameter 2 in. to 70 ft., Dia 70 in. to 70 ft., Dia 70 in. to 70 ft. Casing height above land surface 48 in., weight 48 lbs./ft. Wall thickness or gauge No. Sch. 40 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) Surrounded 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) Surrounded SCREEN-PERFORATED INTERVALS: From 70 ft. to 150 ft., From 150 ft. to 150 ft. From 150 ft. to 150 ft., From 150 ft. to 150 ft. GRAVEL PACK INTERVALS: From 68 ft. to 169 ft., From 169 ft. to 169 ft. From 169 ft. to 169 ft., From 169 ft. to 169 ft.
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6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other Surrounded Grout intervals: From 0 ft. to 23 ft., From 23 ft. to 23 ft., From 23 ft. to 23 ft. What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below) Surrounded 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	20	Clay	137	140	Gravel
20	54	Silt	140	150	Sand
54	60	Sand	150	164	Sand/Gravel
60	65	Gravel	164	168	Clay
65	82	Clay	168	169	Shale
82	84	Sand			
84	86	Silt			
86	90	Sand			
90	92	Gravel			
92	100	Sand			
100	110	Sand/Gravel			
110	120	Silt			
120	130	Sand			
130	136	Gravel			
136	137	Clay			

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) 9-2-87 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) Bruce J. Reichmuth
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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.