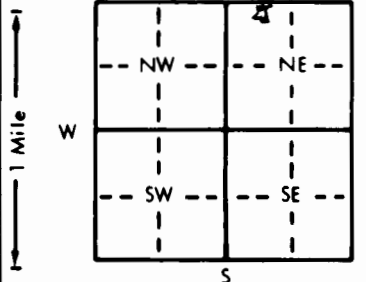


1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: McPherson	NE ¼ NW ¼ NE ¼	5	T 20 S	R 3 E

Distance and direction from nearest town or city street address of well if located within city?

½ mile south of McPherson

2 WATER WELL OWNER: NCRA REFINERY	Board of Agriculture, Division of Water Resource
RR#, St. Address, Box #: BOX 1167	Application Number:
City, State, ZIP Code: MCPHERSON, KS 67460	

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: 127 ft. ELEVATION: 1365
	Depth(s) Groundwater Encountered 1. 84.68 ft. 2. 84.68 ft. 3. 9-8-87 ft.
	WELL'S STATIC WATER LEVEL 84.68 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 9-8-87 gpm: Well water was 9-8-87 ft. after 9-8-87 hours pumping 9-8-87 gpm
	Bore Hole Diameter 5.5/8 in. to 165 ft., and 9-8-87 in. to 9-8-87 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 <u>10 Observation well</u>
	Was a chemical/bacteriological sample submitted to Department? Yes.....No X; If yes, mo/day/yr sample was submitted 9-8-87
	Water Well Disinfected? Yes 9-8-87 No 9-8-87

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued 9-8-87 Clamped 9-8-87
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below) 9-8-87
2 PVC	4 ABS	7 Fiberglass	10 Asbestos-cement
Blank casing diameter 2 in. to 67 ft., Dia 9-8-87 in. to 9-8-87 ft., Dia 9-8-87 in. to 9-8-87 ft., Dia 9-8-87 in. to 9-8-87 ft.			
Casing height above land surface 24 in., weight 9-8-87 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)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS
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) 9-8-87
SCREEN-PERFORATED INTERVALS:	From 67 ft. to 127 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft.		
GRAVEL PACK INTERVALS:	From 66 ft. to 165 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft.		

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite	4 Other 9-8-87
Grout Intervals: From 0 ft. to 50 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft., From 9-8-87 ft. to 9-8-87 ft.				
What is the nearest source of possible contamination:	1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens
	2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage
	3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage
				13 Insecticide storage
				14 Abandoned water well
				15 Oil well/Gas well
				16 Other (specify below) 9-8-87

Direction from well?	How many feet?
FROM TO LITHOLOGIC LOG	FROM TO LITHOLOGIC LOG
0 20 Clay	126 130 Gravel/Sand
20 40 Silt	130 140 Sand
40 50 Clay	140 150 Sand/Gravel
50 65 Sand	150 161 Sand/Gravel
65 72 Clay	161 164 Clay
72 78 Silt	164 165 Shale
78 80 Silt/Sand	
80 82 Silt/Clay	
82 88 Sand	
88 90 Sand/Gravel	
90 92 Silt	
92 96 Clay	
96 120 Sand	
120 125 Gravel/Sand	
125 126 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) 8-28-87 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. Henkle	

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.