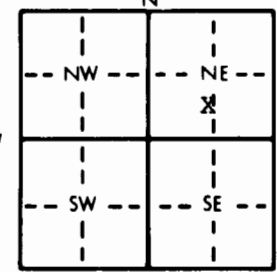


1 LOCATION OF WATER WELL:		Fraction	Section Number	Township Number	Range Number
County: <u>McPherson</u>		<u>NE 1/4</u> <u>SW 1/4</u> <u>NE 1/4</u>	<u>5</u>	<u>T 20 S</u>	<u>R 3 E</u>
Distance and direction from nearest town or city street address of well if located within city? <u>Approximately 1/2 mile South of McPherson.</u>					
2 WATER WELL OWNER: <u>NCRA Refinery</u>		Board of Agriculture, Division of Water Resources			
RR#, St. Address, Box #: <u>P. O. Box 1167, 2000 S. Main</u>		Application Number:			
City, State, ZIP Code: <u>McPherson, Ks. 67460</u>					
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: <u>105</u> ft. ELEVATION:			
		Depth(s) Groundwater Encountered <u>1. 83.6</u> ft. 2. ft. 3. ft.			
		WELL'S STATIC WATER LEVEL <u>83.6</u> ft. below land surface measured on mo/day/yr <u>8/31/88</u>			
		Pump test data: Well water was ft. after hours pumping gpm			
		Est. Yield gpm: Well water was ft. after hours pumping gpm			
		Bore Hole Diameter <u>5.5/8"</u> in. to <u>20</u> ft., and <u>5</u> in. to <u>168</u> 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..... <u>X</u>; If yes, mo/day/yr sample was submitted			
		Water Well Disinfected? Yes <u>X</u> No			
5 TYPE OF BLANK CASING USED:		CASING JOINTS: Glued Clamped			
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded					
2 PVC 4 ABS 7 Fiberglass Threaded. <u>X</u>					
Blank casing diameter 2 in. to 110 ft., Dia in. to ft., Dia in. to ft.					
Casing height above land surface 24 in., weight lbs./ft. Wall thickness or gauge No. <u>SCH. 40</u>					
TYPE OF SCREEN OR PERFORATION MATERIAL:		7 PVC 10 Asbestos-cement			
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)					
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)					
SCREEN-PERFORATED INTERVALS: From 80 ft. to 110 ft., From ft. to ft.					
GRAVEL PACK INTERVALS: From 30 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 30 ft., From ft. to ft., From ft. to 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)					
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage					
Direction from well? <u>Well is in refinery</u>		How many feet?			
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	5	Clay, silt, dark brown	90	95	Sand, brown, med. to very coarse.
5	15	Silty clay, dark brown	95	100	Sand w/silt, orange, fine
15	18	Clay, light brown	100	109	Silty sand, brown, very fine
18	25	Silty clay, gray	109	120	Sand, brown, med. to very coarse.
25	30	Silty clay, light brown	120	140	Sand, brown, med. to very coarse.
30	45	Silty, sand, green lt. brown, fine	140	146	Sand, brown, coarse, trace Silt
45	50	Sandy silt, green	146	164	Sand, brown, fine to coarse
50	55	Clay, sand, green, fine	164	167	Clay, green, some sand & gravel.
55	70	Sand, brown, med. to very coarse, w/trace of gravel & clay.	167	168	Shale, blue
70	75	Sandy gravel, brown, very coarse sand to 1/8" gravel.			
75	80	Silt w/sand, green.			
80	82	Silty sand, green, very fine w/clay			
82	90	Sand, brown, med. to very coarse			
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) <u>8/30/88</u> and this record is true to the best of my knowledge and belief. Kansas					
Water Well Contractor's License No. <u>145</u> This Water Well Record was completed on (mo/day/yr) <u>9/13/88</u>					
under the business name of <u>Henkle Drilling & Supply Company, Inc.</u> by (signature) <u>Bruce J. Reichmuth</u>					
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.					