

1 LOCATION OF WATER WELL: County: McPherson	Fraction NE 1/4 NW 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?

1/2 mile South of McPherson, Kansas

2 WATER WELL OWNER: RR#, St. Address, Box # : City, State, ZIP Code :	National Cooperative Refinery Assoc. McPherson, Kansas 67460	Well No. 10 (TH 2-86) Board of Agriculture, Division of Water Resources Application Number: MP018
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3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: 154' 3" ft. ELEVATION:
	Depth(s) Groundwater Encountered 1. 77' 10" ft. 2. _____ ft. 3. _____ ft. WELL'S STATIC WATER LEVEL 77' 10" ft. below land surface measured on mo/day/yr 2/17/87 Pump test data: Well water was 120 ft. after _____ hours pumping 699 gpm Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm Bore Hole Diameter 30 in. to 114 ft., and 38 in. to 154 ft. WELL WATER TO BE USED AS: 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 11 Injection well 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 X No _____

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued _____ Clamped _____
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
2 PVC	4 ABS	7 Fiberglass	Welded X
Blank casing diameter 26 in. to 114 ft., Dia 18 in. to 119 ft., Dia _____ in. to _____ ft.			Threaded _____
Casing height above land surface 30 in., weight 102.63 - 70.59 lbs./ft. Wall thickness or gauge No. 375			
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) _____
SCREEN-PERFORATED INTERVALS: From 119 ft. to 154 ft., From _____ ft. to _____ ft.			
GRAVEL PACK INTERVALS: From 99 ft. to 154 ft., From _____ ft. to _____ ft.			

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite	4 Other _____
Grout Intervals: From 0 ft. to 114 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? All			How many feet? Well in Refinery Area	

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	5	top soil			
5	17	brownish red clay			
17	40	gray clay			
40	55	fine sand with clay			
55	68	fine to coarse sand			
68	80	clay w/fine sand streaks			
80	112	med. sand & gravel w/clay streaks			
112	120	clay with fine sand			
120	155	fine to med. sand w/thin clay lens			
155	160	gray shale			

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) 4-23-87 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 102 This Water Well Record was completed on (mo/day/yr) 4-24-87 under the business name of Layne Western Co., Wichita, Ks. by (signature) LOD Hark
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, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

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