

1 LOCATION OF WATER WELL:		Fraction	Section Number		Township Number		Range Number							
County: McPherson		NE 1/4 NW 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? Approximately 1/2 mile South of McPherson.														
2 WATER WELL OWNER: NCRA Refinery														
RR#, St. Address, Box # : P. O. Box 1167, 2000 S. Main						Board of Agriculture, Division of Water Resources								
City, State, ZIP Code : McPherson, Ks. 67460						Application Number:								
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:			4 DEPTH OF COMPLETED WELL: 160' ft. ELEVATION: 1332'											
N 1 Mile W E S <table border="1" style="margin: auto; text-align: center;"><tr><td> </td><td>X</td></tr><tr><td>NW</td><td>NE</td></tr><tr><td>SW</td><td>SE</td></tr></table>				X	NW	NE	SW	SE	Depth(s) Groundwater Encountered 1. 77.43 ft. 2. ft. 3. ft.					
				X										
			NW	NE										
			SW	SE										
			WELL'S STATIC WATER LEVEL 77.43 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 1.75" 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 X 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. X								
Blank casing diameter 2" in. to 60' 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)								
			9 ABS			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 60 ft. to 160 ft., From ft. to ft.														
From ft. to ft., From ft. to ft.														
GRAVEL PACK INTERVALS: From 55 ft. to 175 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 Formation clay & silt														
Grout Intervals: From 0 ft. to 20 ft., From 20 ft. to 40 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? Inside refinery area						How many feet?								
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG									
0	22	Clay												
22	38	Silt												
38	40	Clay												
40	82	Sand												
82	90	Sand/Gravel												
90	122	Gravel												
122	130	Gravel/Clay												
130	140	Gravel												
140	150	Sand												
150	160	Gravel												
160	169	Gravel												
169	172	Clay												
172	175	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) 8/29/88 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) 9/13/88														
under the business name of Henkle Drilling & Supply Company, Inc. by (signature) <i>Bruce Reischmidt</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.														