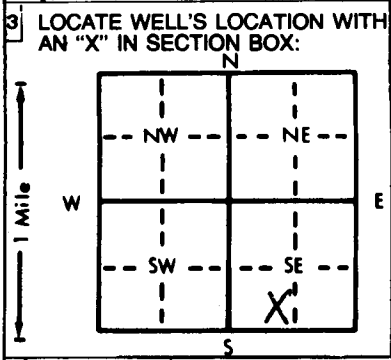


MW-4

1 LOCATION OF WATER WELL: County: Wyandotte Fraction: SE 1/4 SW 1/4 SE 1/4 Section Number: 30 Township Number: T 11 S Range Number: R 24 E

Distance and direction from nearest town or city street address of well if located within city?
88th & Hwy K-32, Edwardsville, Ks.

2 WATER WELL OWNER: Barton Solvents/Century Oil
 RR#, St. Address, Box #: SAME AS ABOVE Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Application Number:



4 DEPTH OF COMPLETED WELL: 53.0 ft. ELEVATION: 711.5
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL ft. below land surface measured on mo/day/yr
 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: 6 in. to 53.0 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.....; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes 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
 Blank casing diameter: 2 in. 49 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface: 24 in., weight lbs./ft. Wall thickness or gauge No.
 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 29 ft. to 49 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 27 ft. to 53 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Void Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 0 ft. to 22 ft., From 22 ft. to 27 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)
Solvent Plant
 Direction from well? NORTH How many feet? 1000

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	10	Gray brown silty clay, moist, moderately plastic	-	CONT-	
10	15	Gray brown silty clay, w/tr. sand, moist, med. plastic	40	45	subrounded, well graded clear, white, orange green & black med-coarse sand,
15	20	Brown very fine sand, poorly graded, tr. plasticity w/ some silt	45	49	subangular, well graded, tr. gravel multicolored med-coarse sand, subangular, well graded, tr. gravel, also encountered shale partings & silty clay lenses
20	29	Clear & orange fine-med sand, tr. silt, poorly graded sub-rounded to rounded	49	50.4	Multicolored med-coarse sand, sub-angular, well graded
29	35	Clear, gray & orange med-coarse sand, subangular to sub-rounded, well graded	50.4	53	interbedded gray micritic limestone & dark gray shale
35	40	Clear, orange & black fine-coarse sand, subangular to	53		TOTAL DEPTH

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) 10-28-88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 102K This Water Well Record was completed on (mo/day/year) 5/25/89 under the business name of Layne-Western Co., Inc. by (signature) [Signature]

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, Office of Oil Field and Environmental Geology, Regulation and Permitting Section, Topeka, Kansas 66620-7500, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.