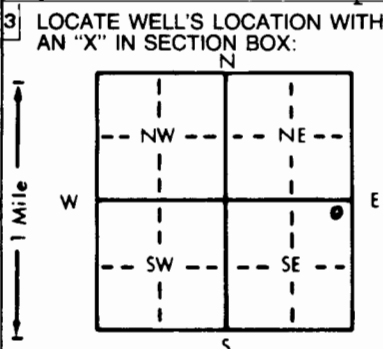


MW-4

1 LOCATION OF WATER WELL: Fraction NE 1/4 NE 1/4 SE 1/4 Section Number 31 Township Number T 11 S Range Number R 16 EW  
 County: Shawnee

Distance and direction from nearest town or city street address of well if located within city?  
602 S.E. Quincy, Topeka, KS.

2 WATER WELL OWNER: Amoco Oil CO.  
 RR#, St. Address, Box #: 602 S.E. Quincy Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: Topeka, Ks. Application Number:



4 DEPTH OF COMPLETED WELL: 23' ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. 20' ft. 2. ft. 3. ft.  
 WELL'S STATIC WATER LEVEL 20.63 ft. below land surface measured on mo/day/yr 6-12-96  
 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: 8 1/2" in. to 23' 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 Monitoring 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  
 7 Fiberglass Threaded  X  
 Blank casing diameter 2.375 in. to 13' ft., Dia. in. to in. to in. to SDR 13 ft.  
 Casing height above land surface: Flush Mt. 0 in., weight 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) 11 Other (specify)  
 2 Brass 4 Galvanized steel 6 Concrete tile 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 23' ft. to 13' ft., From ft. to ft.  
 From ft. to ft., From ft. to ft.  
 GRAVEL PACK INTERVALS: From 23' ft. to 11' 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 11' ft. to 4' ft., From 4' ft. to 0' ft., From ft. to ft.  
 What is the nearest source of possible contamination:  
 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? West North West How many feet? 90'

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	.50	Asphalt			
.50	5	Dk brn silty clay w/ ls.rx. concrete rubble fill, moist, no odor.			
5	15	Red brn clay till w/ gray clay mottling, moist, firm-stiff, no odor.			
15	20.50	Red brn oxide stained sandy clay fill, moist to wet at 20', no odor, fine-coarse grained sand.			
20.50	23	Limestone-weathered top 6' hard. crystalline rust, brn, dry, no odor. gray dense limestone at base.			

F.M. OK'd by Don Taylor

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) 6-11-96 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 539 This Water Well Record was completed on (mo/day/yr) 6-25-96 under the business name of JB Environmental Drilling by (signature) James Bieker