OW#7

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Shawnee | Fraction: NE ¼ NE ¼ NE ¼ | Section Number: 9 | Township Number: T 12 S | Range Number: R 15 E/W

Distance and direction from nearest town or city street address of well if located within city?

21st & Fairlawn, Topeka, Kansas

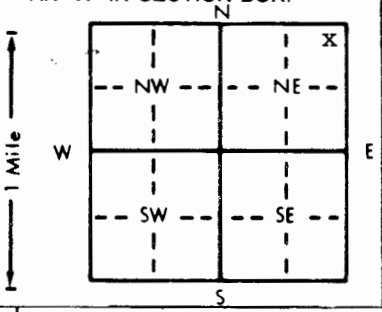
2 WATER WELL OWNER: Amoco Oil Company

RR#, St. Address, Box # : 8700 Indian Creek Parkway

City, State, ZIP Code : Overland Park, Kansas

Board of Agriculture, Division of Water Resources Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 30.0 ft. ELEVATION: 972.3

Depth(s) Groundwater Encountered 1. 22.5 ft. 2. ft. 3. ft.

WELL'S STATIC WATER LEVEL 19.59 ft. below land surface measured on mo/day/yr 5/8/90

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 30 ft., and in. to ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Monitoring well 11 Injection well 12 Other (Specify below)

Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No X

5 TYPE OF BLANK CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)

CASING JOINTS: Glued Clamped Welded Threaded X

Blank casing diameter 2 in. to 5 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface -.59' in., weight lbs./ft. Wall thickness or gauge No. SCH 40

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 5 ft. to 29 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 3 ft. to 30 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 1 ft., From 1 ft. to 3 ft., From ft. to ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well? west How many feet? 45

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1'	Concrete 6" Sand 6"			becoming fine to medium grained
1'	8'	Lean Clay, very silty, dark brown,			at 20.5, shale lens at 22 to 22.2',
		firm, dry, with abundance of		30'	bottom of boring
		limonite nodules becoming tan to			
		olive gray, slightly mottled at 3'			
		becoming very silty to fine sand			
		at 5'			
8'	11'	Sanstone, highly weathered, red			
		brown, (very fine to fine grained,			
		angular to subangular sand, < 25%			
		silt, < 20% clay) becoming olive			
		gray with trace of muscovite			
11'	30'	Sandstone, competent, reddish brown with			
		trace muscovite), lens of olive gray at 13			
		to 13.5, becoming tan brown at 18',			

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) 3/29/90 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 416 This Water Well Record was completed on (mo/day/yr) 5/9/90 under the business name of Terracon Consultants by (signature) D. Semley

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, Topeka, Kansas 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼