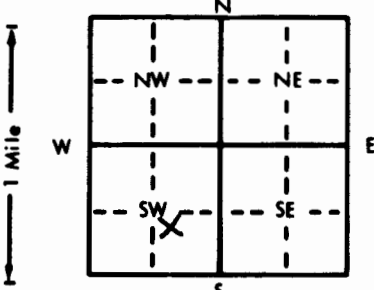


1 LOCATION OF WATER WELL: Fraction NW 1/4 SE 1/4 SW 1/4 Section Number 31 Township Number T 13 S Range Number R 16 **EWX**
 County: Shawnee

Distance and direction from nearest town or city street address of well if located within city?
 Site 5 - 96' SW of Building 671

2 WATER WELL OWNER: ~~Ks, Topeka~~ Air National Guard
 RR#, St. Address, Box #: Forbes Field "ANG" Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Topeka, Kansas 66619 Application Number:

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

 4 DEPTH OF COMPLETED WELL: 9.5 ft. ELEVATION: 1037.5
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 4.12 ft. below land surface measured on mo/day/yr 7/10/88
 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 in. to 9.5 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 **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 4 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 2.0' 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 4 ft. to 9 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 3 ft. to 9.5 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 4 Lateral lines 7 Pit privy **11** Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage 16 Other (specify below)
 Direction from well? West/North How many feet? 2000' ±

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		See attached log			

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) 6/17/88 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) 8/31/88
 under the business name of Layne-Western Company, Inc. by (signature) Paul W. Tomlin

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.

OAK RIDGE NATIONAL LABORATORY

Prepared By F. GARDNER Date 6-17-88 Page 1 of 1
 Hole No. MW10 Elevation ? Location SITES - 96' SW OF 671 -
 Total Depth 9.5 No. of Completions Rig Type Mobik B-61
 Auger Size 7 5/8 x 4 1/4 Sample Type 5' CONT.
 Project FORBES AN 6 Data Verified By Date

DEPTH (FEET)	PLUGS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
0				S&D	
2			▲	SLTY CLAY	SLTY CLAY: DKG (10YR 4/1) dry, friable, medium dry strength, roots down to 1.5', becoming oxidized @ 1.5 to
4			○	SLTY CLAY	TRACE GY-DKG BLK CARB SHALE INCLUSIONS, TRACE WORM TRACKS
6			○	SLTY CLAY	SLTY CLAY; RDISH-BROWN, WET @ 4.5 to 8', abnt d. Lgy - blk shale & clay streaks / pits, v soft, plastic, strong foul odor @ 6'
8			○	S&Y CLAY CLAYSTONE	S&Y CLAY - YEL BRN (10YR 5/6) wet, calc, occ med & gray clay shale, claystone partings, visible bed planes along gray shale lamms.
10					
12					Auger to 9 1/2 for completion Sample TD 8'
14					
16					
18					
20					
22					NOTE - siliceous from 0 - 7 1/2 - top of bedrock Bedrock is very calcareous locally.
24					
26					
28					
30					
32					

MW10