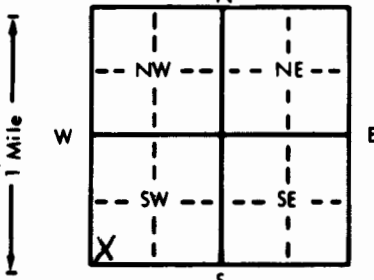


1 LOCATION OF WATER WELL: Fraction SW 1/4 SW 1/4 SW 1/4 Section Number 31 Township Number T 13 S Range Number R 16 **EWX**
 County: Shawnee

Distance and direction from nearest town or city street address of well if located within city?
 site 6 - 8' SE of MW-22

2 WATER WELL OWNER: Kansas Air National Guard
 RR#, St. Address, Box # : Forbes Field "ANG"
 City, State, ZIP Code : Topeka, Kansas 66619
 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: 16 ft. ELEVATION: 1017.8
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 0.74 ft. below land surface measured on mo/day/yr 7/11/88
 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 16 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
 Blank casing diameter 2 in. to 5 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No. **X** Sch. 40
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 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 5 ft. to 15 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 4.5 ft. to 16.0 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 **Cement grout bent.** 3 Bentonite 4 Other
 Grout Intervals: From 0 ft. to 2 ft., From 2 ft. to 4.5 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? **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) 6/22/88 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) *[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.

OAK RIDGE NATIONAL LABORATORY

Prepared By F. GARDNER Date 6-22-80 Page 1 of 1
 Hole No. MW25 Elevation 7 Location SITE 6 - 8' SE of MW22
 Total Depth 16' No. of Completions 1 Rig Type Mobile B-61
 Auger Size 7 5/8 x 4 1/4 Sample Type 5' CONTINUOUS
 Project Fishes ANE Data Verified By _____ Date _____

DEPTH (FEET)	BLOGS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
2				" - "	SLTY CLAY: DKGY (5Y3/1) rich soil character, abundant root fragments, organic debris, dry, friable ip
4				" - "	SLTY CLAY YELBROWN (10YR5/8) mottled with gray, very limonitic in part, friable at top, plasticity increasing with depth,
6				" - "	CLAYSTONE (WEATHERED BEDROCK), CARB INCL @ 5, 7
8				" - "	very silty interbeds, ncalc, coaly, interbeds of lenses coal; black, bedded with yelbrown clays, greasy, very soft wet, subbituminous
10				" - "	COALY SHALES & CLAYSTONES IN TBDS
12				" - "	SHALE - GRAY WITH MINOR YELLOW BROWN SLTY INTER BEDS FROM SLIGHTLY CARBONACEOUS IN PART, NALC, BECOMING 100% GRAY SHALES @ 10.8' BE.
14					
16					
18					Augered to 16' for completion.
20					5' 6" STEEL CASIN
22					
24					
26					
28					
30					
32					

MW25