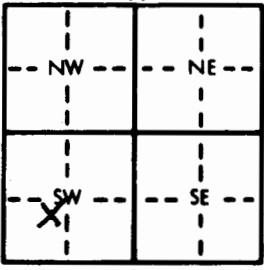


1 LOCATION OF WATER WELL: Fraction NE 1/4 SW 1/4 SW 1/4 Section Number 31 Township Number T 13 S Range Number R 16 EW

Distance and direction from nearest town or city street address of well if located within city?
 150' (N10°W) from fence corner picnic area

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: 14.5 ft. ELEVATION: 1028.5
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 3.29 ft. below land surface measured on mo/day/yr 7/7/88
 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 14.5 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 2.5 in., weight lbs./ft. Wall thickness or gauge No. 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 11 Other (specify)
 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 14 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 3 ft. to 14.5 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 Cement 0 ft. to 1 ft., From Bent. 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 10 Livestock pens 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) 8/31/88 6/14/88 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. [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.

Well Summary Information

OAK RIDGE NATIONAL LABORATORY

Prepared By F. GARDNER Date 6-14-88 Page 1 of 7

Hole No. #1 Elevation ? Location NEAR TO DITCH, 150' (N10°W) FROM FENCE CORNER

Total Depth 1514.5 No. of Completions 1 Rig Type MOBILE B61 w/ 70' AUGERS (5)

Auger Size 7 7/8 x 4 1/4 Sample Type 5' CONT STAINLESS STEEL

Project FORBES Data Verified By "stickup" Date

DEPTH (FEET)	BLOWS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	DESCRIPTION
0				START 1:20 PM FCC, JET, JZZ, DBH
2				SILTY CLAY - VDK GRAY (10YR 3/1), THIN VENEER OF GRAVEL (0-10') BECOMING VERY OXIDIZED WITH LIMONITE? @ 2', PLASTIC, HOMOGENEOUS PHOTO FB
4				SILTY CLAY & GRAY (7.5YR 5) w/ LIMONITE STREAKS, PLASTIC, FINI 180 ppm in H ₂ O
6				SILTY CLAY DK YELLOWISH BROWN (10YR 4/4) INCREASINGLY SILTY, ABOUT OXIDATION CRUSTED STREAKS, LIMONITE STAINING
8				45-SS GRADE
10				CLAYEY GRAVEL - ANG LS GRAVELS IN YEL BROWN (10YR 5/8) SILTY CLAY MATRIX, WET @ 8 1/2 FEET, ABNT. FOSSILS, CRINOID STEMS, BRACHIOPODS IN LS GRAVELS, DNS, MUCKEN IN PART SILTICIOUS-MALCOLM TRX
12				SHALE LAYER (2") AT BOTTOM OF GRAVEL, YELLOW BROWN CHIPS FLs IN CLAY MATRIX
14				MARLY CLAY - YEL BRN - GRAY w/ BLACK CARBONACEOUS STREAKS
16				SHALE LAYER (1")
18				CLAY (GRAY 2.5Y 5) FISSILE CLAY, VERY FINE MICA DESIMENATED, ABNT. PLANT MATTER - STEMS, LEAVES (FISSILE)
20				SHALE - GRAY, FISSILE, BEDROCK @ 14" MICACEOUS, PLANT FOSSILS
22				MEASURED T.D 14.5'
24				4 BAGS SAND

MW 01