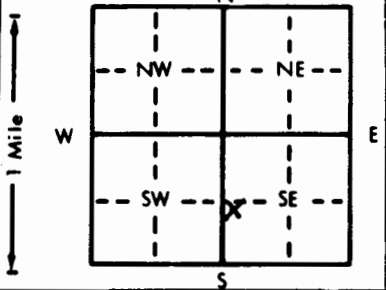


1 LOCATION OF WATER WELL: County: Shawnee Fraction NW 1/4 SW 1/4 SE 1/4 Section Number 31 Township Number T 13 S Range Number R 16 EXX

Distance and direction from nearest town or city street address of well if located within city? West of Site #7, 80' NE & 70' NW of NE corner of building 66

2 WATER WELL OWNER: Ks Topeka 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: 11.5 ft. ELEVATION: 1045.0



Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL 9.70 ft. below land surface measured on mo/day/yr 7/9/88 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 ... 11.5 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 7 Fiberglass 9 Other (specify below) Welded ... Threaded ... X

Blank casing diameter .2 in. to .7 ft., Dia . in. to . ft., Dia . in. to . ft. Casing height above land surface 1.5 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 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 7 ft. to 11.0 ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 5.5 ft. to 11.5 ft., From ... ft. to ... ft.

6 GROUT MATERIAL: cement Neat cement 2 Cement grout 3 Bentonite 4 Other Grout intervals: From 0 ft. to 3.5 ft., From 3.5 ft. to 5.5 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' ±

Table with columns FROM, TO, LITHOLOGIC LOG. Content: 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. ...

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 MW 8 F GARDNER Date 6-17-88 Page 1 of 1
 Hole No. MW 8 Elevation ? Location West of site #7, 80' NE & 70' NW of NE corner bldg 4
 Total Depth 11.3' No. of Completions 1 Rig Type Mobile B-61
 Auger Size 7 3/8 x 4 1/4 Sample Type 5' CONTINUOUS S. S.
 Project Ferrous ANL Data Verified By Date

DEPTH (FEET)	BLOWS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
2					SP - 60-75% roots, clay - gray (5Y 5/1) dry, oxidized streaks, worm tracks scattered thruout. V.F. mica desm. .SPF
4					1/4 Bent pellets
6					SLTY CLAY - GRAY (5Y 5/1) mottled with yet brn - red brn oxidized clays, faint moisture sheen on occasional clay faces between 7-9'. Becoming increasingly oxidized toward end of sample interval. Full blk carb pts thruout
8					
10					SLTY CLAY - YEL BDN (10Y 7.5/1) silty, damp, abnt coal & shale ptgs
12					2" SLOTTED PVC SCREEN BEDROCK - CLAYSTONE YELLOW, within bedded; gray clay & chert occasional → 45-55 GRADE SAND → .4' WELL POINT
14					
16					sample T.D 10.5'
18					T.D. 11.3
20					
22					
24					
26					
28					
30					
32					