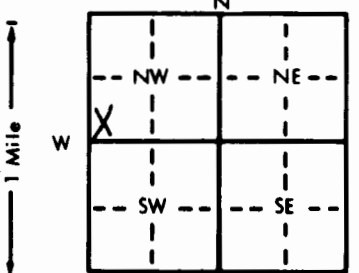


1 LOCATION OF WATER WELL: County: Shawnee Fraction SW 1/4 SW 1/4 NW 1/4 Section Number 31 Township Number T 13 S Range Number R 16 E

Distance and direction from nearest town or city street address of well if located within city?
20' South of Core hole 1

2 WATER WELL OWNER: Kansas 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: 16.0 ft. ELEVATION: 1017.4
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL: 0.40 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 16.0 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 0

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 5.5 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No. Sch. 40
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 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 5.5 ft. to 15.5 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From ~~5.5~~ 4.5 ft. to 16.0 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Cement 1 Neat cement 2 Cement grout 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 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) 6/21/88 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. GALONER Date 6-21-88 Page 1 of 1
 Hole No. MW22 Elevation ? Location 20' south of corohole 1
 Total Depth 16' No. of Completions 1 Rig Type Mobile B-61
 Auger Size 7/8 x 4/4 Sample Type 5' CONTINUOUS
 Project Forbes 5' STICK UP Data Verified By _____ Date _____

DEPTH (FEET)	LOGS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
0 - 2				GRAVEL VENEER	GRAVEL VENEER - ROAD BASE FILL
2 - 4				SILTCLAY	SILTCLAY, DK GRAYISH BROWN (2.5 Y4/2) occ root material, fine mica desm throughout, about dksy. blk organic, carbonaceous inclusions & ptzs
4 - 6				CLAYSTONE	CLAYSTONE - BRONNISH YEL (10YR 6/8) SOFT & YELLOW MUD (CLAY STONES) BEADED WITH LT GRAY SHALES/CLAY STONES, NEALC
6 - 8				CLAYSTONE	CLAYSTONE - BRONNISH YEL (10YR 6/8) AA, WITH MINOR THIN COAL STRAKS, VERY WET SOFT MUD @ 9' (2" THICK)
8 - 10				MUDSTONE	MUDSTONE/CLAYSTONE AA - SATURATED
10 - 12					Sample TD = 9 1/2 Augered to 16 1/2 for completion
12 - 14					
14 - 16					STEEL CASING - 3.6' BG 2.2 STICK UP.
16 - 18					
18 - 20					
20 - 22					
22 - 24					
24 - 26					
26 - 28					
28 - 30					
30 - 32					

4.5 ps @ 9 1/2

MW22