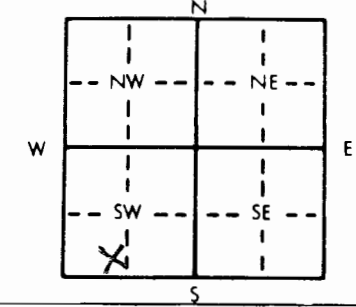


LOCATION OF WATER WELL: County: SHAWNEE Fraction: SE 1/4 SW 1/4 SW 1/4 Section Number: 31 Township Number: T 12 S Range Number: R 16 E

Distance and direction from nearest town or city street address of well if located within city?
FORBES FIELD AIR NATIONAL GUARD BASE OFF HWY 75

WATER WELL OWNER: KANSAS AIR NATIONAL GUARD
 IR#, St. Address, Box #: FORBES FIELD "ANG" Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: TOPEKA, KS 66619-5000 Application Number:

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



4 DEPTH OF COMPLETED WELL: 15 ft. ELEVATION: 1037.9
 Depth(s) Groundwater Encountered 1. 6.15 ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 6.15 ft. below land surface measured on mo/day/yr 11-18-88
 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 15 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 X

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 ft., Dia. in. to ft., Dia. in. to ft.
 Casing height above land surface 3.13 FT weight lbs./ft. Wall thickness or gauge No. 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 5 ft. to 15 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 4 ft. to 15 ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout Intervals: From 2 ft. to 4 ft., From ft. to 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? E/W How many feet? 500 ±

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		<u>SEE ATTACHED LOG</u>			

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) NOV. 1, 1988 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) 12-21-88 under the business name of LAYNE-WESTERN CO., INC by (signature) Paul W. Smith



Well Summary Information

OAK RIDGE NATIONAL LABORATORY

Prepared By D.A. PICKERING Date 11-1-88 Page 1 of 1
 Hole No. MW28 Elevation 1041.0' Location SITE 1, TANK FARM W OF PUMPHOUSE
 Total Depth 15.5' No. of Completions 1 Rig Type ACKER
 Auger Size 7 5/8" x 4 1/4" Sample Type 5' CONTINUOUS STAINLESS STEEL
 Project FORBES FIELD ANG Data Verified By _____ Date _____

DEPTH (FEET)	BLOWS/6"	SAMPLE INTERVAL	WELL CONSTRUCTION	LITHOLOGY	DESCRIPTION
1			▽▽▽▽▽▽	FILL	Dark topsoil, organics, grasses.
2			▽▽▽▽▽▽		OH SILTY CLAY: very dark brown (10YR 2/2), hard, dry, abundant roots.
3			▽▽▽▽▽▽		OH SILTY CLAY: dark brown (7.5YR 4/4), black, brown, yellow and red shale partings, organic streaks, minor roots to 3', very dry, hard, plastic.
4			○		OH SILTY CLAY: dark olive-gray (5Y 3/2), dry, organic streaks, yellow and red shale partings.
5			○		
6			○		CH SILTY CLAY: olive (5Y 4/3), red, yellow, and black shale partings, organic streaks, jet fuel odor at 7', moist.
7			○		
8			○		Angular fossiliferous limestone fragments in olive clay matrix (5Y 5/5), wet.
9			○		BEDROCK: SAMPLER REFUSAL-NO SAMPLE Sampler removed. Augered to 15.5' for well completion.
10			○		
11			○		
12			○		
13			○		
14			○		
15			○		

CAVINGS