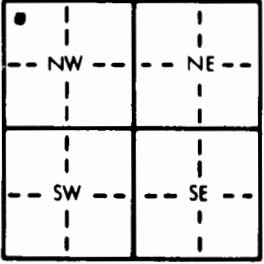


1 LOCATION OF WATER WELL:		Fraction		Section Number		Township Number		Range Number	
County: Butler		NE 1/4 NW 1/4 NW 1/4		30		T 24 S		R 4 E/W	
Distance and direction from nearest town or city street address of well if located within city? 1/4 south of Potwin, KS									
2 WATER WELL OWNER: James E. Hennin					Board of Agriculture, Division of Water Resources				
RR#, St. Address, Box #: 3030 Ole Court NE					Application Number:				
City, State, ZIP Code: Albuquerque, NM 87111									
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:					4 DEPTH OF COMPLETED WELL: 90 ft. ELEVATION: 1313.4				
					Depth(s) Groundwater Encountered 1. 15.09 ft. 2. ft. 3. ft.				
					WELL'S STATIC WATER LEVEL 15.09 ft. below land surface measured on mo/day/yr 6/13/88				
					Pump test data: Well water was ft. after hours pumping gpm				
					Est. Yield 25 gpm: Well water was ft. after hours pumping gpm				
					Bore Hole Diameter 7.7/8 in. to 90 ft. and 12 1/4 in. to 80 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:									
Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped									
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded X									
Blank casing diameter See note attached ft., Dia. in. to ft., Dia. in. to ft.									
Casing height above land surface 1.84 ft. in., weight 8" Sched. 40 lbs./ft. Wall thickness or gauge No.									
TYPE OF SCREEN OR PERFORATION MATERIAL: 8" steel 28# PVC 10 Asbestos-cement									
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)									
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									
3 Torch cut 10 Other (specify)									
SCREEN-PERFORATED INTERVALS: From 16 ft. to 20.6 ft., From 57 ft. to 77 ft.									
From 30 ft. to 49.6 ft., From ft. to ft.									
GRAVEL PACK INTERVALS: From 13 ft. to 22 ft., From 24 ft. to 26 ft.									
From 28 ft. to 51 ft., From 54 ft. to 77 ft.									
Native Fill 0 to 3 ft. From ft. to ft., From ft. to ft.									
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other See attached note									
Grout intervals: 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? 3/4 southeast of well How many feet? 50 ft. in a field NONE									
FROM TO LITHOLOGIC LOG FROM TO LITHOLOGIC LOG									
0 1 Silt, medium brown cuttings.									
1 2.5 Shale, yellow-tan, limey 21.5 22.5 Shale, pale purple-brown and gray									
2.5 5 Shale green. Pale purple brown shale									
5 7 Shale, kaiki, limey becomes brick-red w/depth									
7 15 Shale, dark gray w/kaiki mottling 22.5 25 Shale, brick red									
grading down to kaiki w/dark gray 25 27.5 Shale, gray-green interbedded									
mottling w/brick red shale									
15 21.5 Shaley limestone, light tan-green 27.5 30 Shale, pale brown-pink, silty									
to light green-gray, thin inter-bedded tan cahlky limestone and light 30 32.5 Shale, kaiki, hard									
green-gray shale w/limestone de- 32.5 35 Shale, dark gray to black w/gray									
creasing w/depth, thin interbedded and/or green limestone layers									
fracture-filled calcit veins w/ 35 37.5 Shale, light gray interbedded w/									
geodic banding. Managanese den- tan limey shale and thin light									
trites common on limestone and shale gray limestone layers & some white									
geodic fracture fill.									
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) March 2, 1988 and this record is true to the best of my knowledge and belief. Kansas									
Water Well Contractor's License No. WWC-334 This Water Well Record was completed on (mo/day/yr) 8-3-88									
under the business name of Ewbank 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, Bureau of Water Protection, Topeka, Kansas 66620-7320, Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your records.									

37.5 to 42.5	Shale, dark gray with abundant white geodic fracture fill w/ occasional limestone layers
42.5 to 47.5	Limey siltstone/limestone interbedded thinly bedded, fissile, dark gray with geodic fracture fill.
47.5 to 51	Limestone, silty, very fine grained light gray with some interbedded dark gray limey silt.
51 to 56	Shale, dark gray to black, silty, fissile, hard w/some interbedded limestone.
56 to 66	Limestone, medium to dark gray with some interbedded dark gray limey siltstone and fissile shale layers. Limestone increasingly predominates with depth.
66 to 77.5	Shaley limestone, med. gray, silty
77.5 to 80	Shale, light green-gray
80 to 83	Shale, light brown
83 to 85	Shale, dark gray, hard
85 to 87.5	Shale, med. gray to green-gray with interbedded drak brown shale
87.5 to 90	Shale, red brown

RR-3

Blank Casing

8" PVC - 0 to 16 ft
77 ft to 81 ft.

8" Steel Casing

22 ft. to 30 ft
49.6 to 57 ft.

RR-3

Grout Material

1) Cement Grout
3 ft. to 11 ft.

2) Bentonite

Native fill
0-3 ft.

11 ft. to 13 ft

22 to 24

26 to 28

51 to 54

54 to 56