

CORRECTION TO WATER WELL RECORD (WWC-5)

The following correction(s) was made to the attached WWC-5 log, in order to file the item or to rectify lacking or incorrect information.

Fraction (1/4 1/4 1/4) Section-Township-Range changed:

listed as 2 different locations written; one typed, one handwritten
changed to Typed loc. is correct: SE, SW, SW, 9-24S-33W

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Pers. comm. with Al MacFarlane (KGS Geohydrology Div.), #
Garden City West 1:24,000 topo. map initials: DRD date: 2/9/99

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment Bureau of Water Industrial Programs, Bldg 283, Forbes Field, KS 66620

1 LOCATION OF WATER WELL:	Fraction <u>BBAB</u>	Section Number <u>9A16</u>	Township Number <u>T 24 S</u>	Range Number <u>R 33 E/W</u>
County: <u>Finney</u>	<u>SE 1/4 SW 1/4 SW 1/4</u>			

Distance and direction from nearest town or city street address of well if located within city?

Approximately 2 1/4 miles west of Garden City

2 WATER WELL OWNER:	U.S. Geological Survey	Board of Agriculture, Division of Water Resources
RR#, St. Address, Box # :	4821 Quail Crest Place	Application Number:
City, State, ZIP Code :	Lawrence, KS 66046	

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: <u>496</u> ft. ELEVATION: <u>unknown</u>
	Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL <u>not ch'd</u> ft. below land surface measured on mo/day/yr Pump test data: Well water was <u>not ch'd</u> ft. after hours pumping gpm Est. Yield <u>unknown</u> gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter: <u>9 7/8</u> in. to 521 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 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes No <u>X</u>; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes <u>X</u> No

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued <u>X</u> Clamped
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
2 PVC	4 ABS	7 Fiberglass	Welded
Blank casing diameter <u>5</u> in. to <u>454</u> ft., Dia. in. to ft., Dia. in. to ft.			Threaded
Casing height above land surface <u>24</u> in., weight <u>2.87</u> lbs./ft. Wall thickness or gauge No. <u>265</u>			
TYPE OF SCREEN OR PERFORATION MATERIAL:	7 PVC	10 Asbestos-cement	
1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
1 Continuous slot	3 Mill slot	6 Wire wrapped	9 Drilled holes
2 Louvered shutter	4 Key punched	7 Torch cut	10 Other (specify)
SCREEN-PERFORATED INTERVALS: From <u>454</u> ft. to <u>494</u> ft., From ft. to ft.			
GRAVEL PACK INTERVALS: From <u>68</u> ft. to <u>360</u> ft., From ft. to ft.			
From <u>449</u> ft. to <u>494</u> ft., From ft. to ft.			

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite E-Z	4 Other Bentonite Holeplug
Grout Intervals: From <u>21-40</u> ft. to <u>360-385</u> ft., From <u>0-3</u> ft. to <u>385-449</u> ft., From <u>40-68</u> ft. to <u>3-21</u> ft.				
What is the nearest source of possible contamination:	10 Livestock pens	14 Abandoned water well		
1 Septic tank	4 Lateral lines	7 Pit privy	11 Fuel storage	15 Oil well/Gas well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	12 Fertilizer storage	16 Other (specify below)
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	13 Insecticide storage	None known
Direction from well?	How many feet?			

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3.5	Topsoil, clay	191	193	Clay, tan
3.5	9	Sand, fine	193	205	Sand, medium, clean
9	38	Gravel, coarse to extra coarse	205	222	Sand, fine, clean, loose
38	45	Clay, brown	222	246	Sand and gravel, medium to coarse, clean, loose
45	48	Sand, medium	246	268	Sand and gravel, medium to coarse, clean
48	73	Clay, tan	268	272	Clay, tan to brown
73	79	Clay, black mud	272	288	Sand and gravel, fine to medium loose, clean
79	83	Clay, reddish to tan	288	290	Clay, tan
83	93	Sand, fine, mixed with clay, tan	290	319	Sand, medium
93	103	Sand and gravel, little clay	319	333	Clay, tan
103	130	Clay, tan	333	385	Dakota shale, black
130	148	Sand, medium to fine			CONTINUED ON PAGE 2
148	151	Sand, clay, tan			
151	191	Sand, fine to medium to coarse, clean, loose			

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) <u>9-22-91</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>185</u> This Water Well Record was completed on (mo/day/yr) <u>9-25-91</u> under the business name of <u>Clarke Well & Equipment, Inc.</u> by (signature) <u>David W. Clarke</u>
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1 LOCATION OF WATER WELL:		Fraction <u>BBAB</u>	Section Number <u>216</u>	Township Number T 24 S	Range Number R 33 E/W
County: <u>Finney</u>					
Distance and direction from nearest town or city street address of well if located within city?					
2 WATER WELL OWNER: <u>U.S. Geological Survey</u>					
RR#, St. Address, Box # : <u>4821 Quail Crest Place</u>			Board of Agriculture, Division of Water Resources		
City, State, ZIP Code : <u>Lawrence, KS 66046</u>			Application Number:		
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: ft. ELEVATION: ft.			
		Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.			
		WELL'S STATIC WATER LEVEL ft. below land surface measured on mo/day/yr			
		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 in. to 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 Monitoring well			
		Was a chemical/bacteriological sample submitted to Department? Yes No; 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	
2 PVC		4 ABS		6 Asbestos-Cement	
				7 Fiberglass	
				8 Concrete tile	
				9 Other (specify below)	
Blank casing diameter in. to ft., Dia in. to ft., Dia in. to ft.		CASING JOINTS: Glued Clamped			
Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No.		Welded			
TYPE OF SCREEN OR PERFORATION MATERIAL:		Threaded			
1 Steel		3 Stainless steel		5 Fiberglass	
2 Brass		4 Galvanized steel		6 Concrete tile	
				7 PVC	
				8 RMP (SR)	
				9 ABS	
				10 Asbestos-cement	
				11 Other (specify)	
				12 None used (open hole)	
SCREEN OR PERFORATION OPENINGS ARE:		5 Gauzed wrapped		8 Saw cut	
1 Continuous slot		3 Mill slot		6 Wire wrapped	
2 Louvered shutter		4 Key punched		7 Torch cut	
				8 Saw cut	
				9 Drilled holes	
				10 Other (specify)	
SCREEN-PERFORATED INTERVALS:		From ft. to ft., From ft. to ft.		11 None (open hole)	
		From ft. to ft., From ft. to ft.			
GRAVEL PACK INTERVALS:		From ft. to 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 ft. to 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	
2 Sewer lines		5 Cess pool		8 Sewage lagoon	
3 Watertight sewer lines		6 Seepage pit		9 Feedyard	
				10 Livestock pens	
				11 Fuel storage	
				12 Fertilizer storage	
				13 Insecticide storage	
				14 Abandoned water well	
				15 Oil well/Gas well	
				16 Other (specify below)	
Direction from well? How many feet?					
FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
385	398	Dakota, black			
398	407	Dakota sandstone			
407	417	Dakota, gray to black			
417	427	Dakota sandstone, clean, loose			
427	431	Dakota shale mix with streaks of sandstone			
431	444	Dakota, clean, loose, sandstone			
444	454	Dakota, black			
454	460	Dakota sandstone, clean, loose			
460	464	Dakota clay, white			
464	491	Dakota sandstone, clean, loose			
491	500	Dakota, black			
500	501	Dakota sandstone			
501	521	Dakota, black			
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) 9-22-91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 185 This Water Well Record was completed on (mo/day/yr) 9-25-91 under the business name of <u>Clarke Well & Equipment, Inc.</u> by (signature) <u>David W. Clarke</u>					
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, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.					