

CORRECTION(S) TO WATER WELL RECORD (WWC-5)
(to rectify lacking or incorrect information)

County: Shawnee

Location listed as:

Section-Township-Range: 13-16E

Fraction (¼ ¼ ¼): SE

Location changed to:

31-12S-16E

SW SW SW SE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Latitude & longitude, KGS' "LEO" conversion tool, wellsite address, area road map, and mapping tool on KGS website. initials: RRJ date: 12/15/2010

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: <u>Shawnee</u>	Fraction $\frac{1}{4}$ $\frac{1}{4}$ <u>SE</u> $\frac{1}{4}$	Section Number	Township Number T 13 S <u>13</u>	Range Number R <u>16</u> W
Distance and direction from nearest town or city street address of well if located within city? <u>5920 SE Coyote Dr Topeka KS 66619</u>		Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: <u>38° 57' 27.99"</u> Longitude: <u>95° 40' 43.27"</u> Elevation: <u>1046</u> Datum: _____ Data Collection Method: <u>Google Earth</u>		
2 WATER WELL OWNER: RR#, St. Address, Box # : <u>(Forbes Field)</u> City, State, ZIP Code : <u>Kansas Air National Guard</u>				

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td>--NW--</td><td> </td><td>--NE--</td></tr> <tr><td>W</td><td> </td><td>E</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td>--SW--</td><td> </td><td>--SE--</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td>S</td><td> </td><td> </td></tr> </table>				--NW--		--NE--	W		E				--SW--		--SE--				S			4 DEPTH OF COMPLETED WELL <u>300</u> ft. <u>64 holes</u> 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 WELL WATER TO BE USED AS: 5 Public water supply <input checked="" type="radio"/> 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 Domestic (lawn & garden) 10 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes No <input checked="" type="checkbox"/> If yes, mo/day/yr Sample was submitted..... Water well disinfected? Yes No <input checked="" type="checkbox"/>
--NW--		--NE--																				
W		E																				
--SW--		--SE--																				
S																						

5 TYPE OF CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS	5 Wrought Iron 8 Concrete tile 6 Asbestos-Cement 9 Other (specify below) 7 Fiberglass <u>none</u>	CASING JOINTS: Glued..... Clamped..... Welded..... Threaded.....
Blank casing diameter in. to ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface..... in., Weight lbs./ft. Wall thickness or gauge No.		
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) <u>none</u> 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)		
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes <input checked="" type="radio"/> 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify)		
SCREEN-PERFORATED INTERVALS: From..... ft. to ft., From..... ft. to ft. 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 full length.....

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 10 Livestock pens 13 Insecticide Storage 16 Other (specify below)
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	DESCRIPTION
0	3	overburden	182	237	Gray Shale
3	18	Yellow, Gray, Brown Clay	237	242	Limestone
18	75	Gray Shale	242	260	Gray Shale
75	78	Limestone	260	262	Limestone
78	90	Gray shale	262	276	Gray Shale
90	94	Limestone	276	280	Limestone
94	151	Gray Shale	280	300	Gray Shale
151	168	Limestone			
168	178	Gray shale			
178	182	Lime Stone			
					Grouted Full Length

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) 11/11/10 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 661 This Water Well Record was completed on (mo/day/year) 11/11/10 under the business name of _____ 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, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

Formation Thermal Conductivity Test Report

Date May 7-9, 2009
 Location Topeka, KS
 Undisturbed Formation Temperature Approx. 59.5-60°F

Borehole Data – As Provided by Associated Drilling, Inc.

Borehole Diameter 6 inches

Drill Log

Topsoil	0'-3'
Yellow, gray, brown clay	3'-18'
Gray shale	18'-75'
Limestone	75'-78'
Gray shale	78'-90'
Limestone	90'-94'
Gray shale	94'-151'
Limestone	151'-168'
Gray shale	168'-178'
Limestone	178'-182'
Gray shale	182'-237'
Limestone	237'-242'
Gray shale	242'-260'
Limestone	260'-262'
Gray shale	262'-276'
Limestone	276'-280'
Gray shale	280'-300'

U-bend Size 1 inch HDPE
 U-Bend Length 300 ft
 Grout Type Cetco C/S Granular
 Grout Solids 20%
 Grouted Portion Entire bore

Test Data

Test Duration 46.3 hrs.
 Average Voltage 243.7 V
 Average Power 6,267 W
 Total Heat Input Rate 21,391 Btu/hr
 Calculated Circulator Flow Rate 6.8 gpm
 Standard Deviation of Power 0.40%
 Maximum Variation in Power 0.78%