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

County: Wyandotte

Location listed as:	**Location changed to:**
Section-Township-Range: 22-27N-50E	22-11S-24E
Fraction (¼ ¼ ¼): NE SE NE	NW SE SW NE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

verification method: Latitude & longitude, KGS' "LEO" conversion tool, wellsite address & city street map, and mapping tool & aerial photos on KGS website. initials: DRL date: 5/9/2011

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.

MW-2

WATER WELL RECORD Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: Wyandotte | Fraction: NE ¼ SE ¼ NE ¼ | Section Number: 22 | Township Number: T 27 N S | Range Number: R 50 E W

Distance and direction from nearest town or city street address of well if located within city? 901 S. 66th Terrace Kansas City, KS 66111

Global Positioning Systems (decimal degrees, min. of 4 digits)
Latitude: 39 04 53.85
Longitude: 94 43 50.12
Elevation:
Datum:
Data Collection Method:

2 WATER WELL OWNER: Barton Solvents, Inc.
RR#, St. Address, Box # : 901 S. 66th Terrace
City, State, ZIP Code : Kansas City, KS 66111

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

N / W / E / S; NW, NE (X), SW, SE

4 DEPTH OF COMPLETED WELL 40.0' ft.

Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.
WELL'S STATIC WATER LEVEL 35.76 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 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 Domestic (lawn & garden) (10) Monitoring well .....

Was a chemical/bacteriological sample submitted to Department? Yes ..... No X ; If yes, mo/day/yrs Sample was submitted..... Water well disinfected? Yes ..... No X

5 TYPE OF CASING USED: 5 Wrought Iron 8 Concrete tile
(1) Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below)
(2) PVC 4 ABS 2" 7 Fiberglass

CASING JOINTS: Glued..... Clamped.....
Welded.....
(Threaded).....

Blank casing diameter 2 in. to 30 ft., Diameter. ..... in. to ..... ft., Diameter ..... in. to .....ft.
Casing height above land surface Flush in., Weight .....lbs./ft. Wall thickness or guage No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL:
1 Steel 3 Stainless Steel 5 Fiberglass (7) PVC 9 ABS 11 Other (Specify) .....
2 Brass 4 Galvanized Steal 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 11 None (open hole)
2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw cut 10 Other (specify) .....

SCREEN-PERFORATED INTERVALS: From 30 ft. to 40 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 28 ft. to 40 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 1 ft. to 28 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 Above Ground Tanks
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	PLUGGING INTERVALS
		See Boring 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) 9-17-2010 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 606 This Water Well Record was completed on (mo/day/year) ..... under the business name of PSG Environmental by (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.

KADENCE

	Boring No.	MW-2	Drilling Method: Hydraulic Push
	Contractor: PSA Environmental		Drill Rig: GeoProbe 6600
	Drill Crew: Aaron Butler, Kenny Doane, Robert Tieman		
Project Name and Location:	Date Started: 9/17/2010		Date Finished: 96/17
Barton Solvents, Inc.			
901 S. 66th Terrace	Logged by: Roy King		Protective Cover: N/A
Kansas City, Kansas			

Well Construction Information:

Casing Diameter (in):	2	Well Depth (ft):	40	Water level while drilling (ft):	35.75
Screened interval (ft):	30 - 40	Well Screen:	Schedule 40 PVC	Water level at completion (ft):	35.76
Filter pack interval (ft):	28 - 40	Well Riser:	Schedule 40 PVC	Boring Depth (ft):	40
Seal interval (ft):	3 - 28	Seal type:	Bentonite	Slotted Screen Size:	0.01
Grout Interval (ft):	1 - 3	Filter pack:	20/40 Silica Sand	Sampling Method:	5' Acetate Liner Tube

Well Completion (Backfill / Casing)	Depth	Sample Interval	USCS Symbol	Headspace (ppm)	Recovery	Lithology	Visual Description
	Surface						
	1		ML				Pre-Drill protocol, hand auger to five feet. Cuttings indicate silt.
	2						
	3						
	4						
	5						
	6		ML	0.0			Silt, medium brown, loose, coarsley laminated, dry. Saturated with high dilatancy 15 - 17 feet.
	7			0.0			
	8			0.0	100%		
	9			0.0			
	10			0.0			
	11			0.0			
	12			0.0			
	13			0.0	67%		
	14			0.0			
	15			0.0			
	16			0.0			
	17			0.0			
	18		SW/ML	0.0	73%		Silty sand, light brown, weakly cemented, well sorted, fine, subangular with 20% (variable) silt, slighly moist. Damp at 17 feet and below.
	19			0.0			
	20			0.0			
	21			0.0			
	22		SW/ML	0.0			Sand, light brown, uncemented, well sorted, very fine to fine grain, subangular, slightly moist.
	23			0.0	68%		
	24			0.0			
	25			0.0			
	26		SW/ML	0.0			Silty sand, as above, slighlty moist, 25% silt.
	27			0.0			
	28		SP	0.0	52%		Sand, light brown, uncemented, poorly sorted, very fine grading to medium grain, rounded to angular with trace of angular fine pea gravel, damp, becoming wet at 29.5 feet.
	29			0.0			
	30			0.0			
	31			0.0			
	32			0.0			
	33			0.0	55%		
	34			0.0			
	35			0.0			
	36			0.0			Sand, as above, poorly to moderately sorted, medium to coarse grain, saturated at 37 feet with low dilatancy.
	37			0.0			
	38			0.0			
	39			0.0			
	40			0.0			

Boring Terminated at 40 feet.