

**WATER WELL RECORD**

Form WWC-5

Division of Water Resources; App. No.

**AS-105A**

<b>1 LOCATION OF WATER WELL:</b> County: <u>Wyandotte</u>		Fraction <u>SW 1/4 SW 1/4 SW 1/4</u>	Section Number <u>27</u>	Township Number T <u>10</u> <u>0</u>	Range Number R <u>25</u> <u>0</u> W
Distance and direction from nearest town or city street address of well if located within city? <u>3126 Brinkerhoff Rd KC, KS 66115</u>			<b>Global Positioning Systems</b> (decimal degrees, min. of 4 digits) Latitude: <u>39 08 41.60</u> Longitude: <u>94 37 13.58</u> Elevation: _____ Datum: _____ Data Collection Method: _____		
<b>2 WATER WELL OWNER:</b> <u>Dow Chemical Co.</u> RR#, St. Address, Box # : <u>P.O. Box 8361 Kanawha Turnpike</u> City, State, ZIP Code : <u>South Charleston WV 25303</u>					

<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b> N W     E --NW-- --NE--     --SW-- --SE--     S	<b>4 DEPTH OF COMPLETED WELL</b> ..... <u>55.0</u> ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <u>18.2</u> 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 <u>12 Other (Specify below)</u> 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well <u>Air Sparge</u> 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 ..... No <u>X</u>
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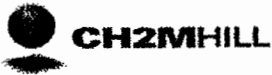
<b>5 TYPE OF CASING USED:</b> 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) <u>2 PVC</u> 4 ABS 7 Fiberglass Blank casing diameter ..... <u>1</u> in. to ..... <u>54</u> ft., Diameter..... in. to ..... ft., Diameter ..... in. to ..... ft. Casing height above land surface... <u>24</u> in., Weight ..... lbs./ft. Wall thickness or gauge No. <u>Sch. 40</u>		CASING JOINTS: Glued..... Clamped..... Welded..... Threaded... <u>X</u>
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass <u>7 PVC</u> 9 ABS 11 Other (Specify) ..... 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 1 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... <u>54</u> ft. to ... <u>55</u> ft., From ..... ft. to ..... ft. From ..... ft. to ..... ft., From ..... ft. to ..... ft.		
GRAVEL PACK INTERVALS: From... <u>53</u> ft. to ... <u>55</u> ft., From ..... ft. to ..... ft. From... <u>51</u> ft. to ... <u>53</u> ft., From ..... ft. to ..... ft.		

<b>6 GROUT MATERIAL:</b> 1 Neat cement <u>2</u> Cement grout 3 Bentonite 4 Other .....	
Grout Intervals: From ... <u>0</u> ft. to ... <u>51</u> 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 <u>16</u> Other (specify below) 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well <u>Old Air Sparge Wells</u> 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
		<u>Sec Log</u>			

**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) 8-7-08 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 106 This Water Well Record was completed on (mo/day/year) 8-29-08 under the business name of PSA Environmental 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>.



PROJECT NUMBER <b>350383</b>	BORING NUMBER <b>AS-105</b>	SHEET 1 OF 2
<b>SOIL BORING LOG</b>		

PROJECT : Dow Unison System Optimization      LOCATION : Kansas City, Kansas  
 ELEVATION : 744.61 feet amsl      DRILLING CONTRACTOR PSA Environmental  
 DRILLING METHOD AND EQUIPMENT USED : Geoprobe 6600 Rig  
 WATER LEVELS : ~28 feet bgs      START : 11/28/06 9:52      END : 11/28/06 13:45      LOGGER : Glynn Roberts

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)			STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone    Headspace
	RECOVERY (IN)	#/TYPE				
0					0' Asphalt 0.33' Baserock	
5	0-5'	36"	GP	--	2' SILT (ML), brown, trace gravel  4' SAND (SP), tan 4.5' FAT CLAY (CH), brown, moist, medium stiff	--
10	5-10'	60"	GP	--	6' SILT (ML), brown and tan  9' LEAN CLAY (CL), brown	--
15	10-15'	48"	GP	--	12' SILT (ML), brown 12.5' LEAN CLAY (CL), brown 13' SILT (ML), brown  14' LEAN CLAY (CL), brown 14.5' SILT (ML), brown 15' SILT (ML), brown and tan	--
20	15-20'	60"	GP	--	18' SAND (SP), fine-grained, tan  20' Brown	--
25	20-25'	60"	GP	--	23' Black sand seam  25' SAND (SP), brown, wet	--
30	25-30'	36"	GP	--		--



PROJECT NUMBER <b>350383</b>	BORING NUMBER <b>AS-105</b>	SHEET 2 OF 2
<b>SOIL BORING LOG</b>		

PROJECT : Dow Unison System Optimization      LOCATION : Kansas City, Kansas  
 ELEVATION : 744.61 feet amsl      DRILLING CONTRACTOR : PSA Environmental  
 DRILLING METHOD AND EQUIPMENT USED : Geoprobe 8800 Rig  
 WATER LEVELS : -28 feet bgs      START : 11/28/06 9:52      END : 11/28/06 13:45      LOGGER : Glynn Roberts

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)			STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS	
	RECOVERY (IN)	#	TYPE			DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.	
						OVM (ppm):	Breathing Zone    Headspace
30-35'	24"		GP	-		-	-
35-40'	36"		GP	--	35' SAND (SP), medium-grained, brown, wet	0	0
40-45'	36"		GP	--	41.5' Brown and gray, trace black sand	0	0
45-50'	60"		GP	--		0	0
50-55'	60"		GP	--	50' Shale fragments 51.5' Gray	0	0
55'					55' SANDY-CLAY (CL), wet Boring terminated at 55 feet bgs		

GP = Geoprobe  
 amsl = above mean sea level  
 bgs = below ground surface