

## WATER WELL RECORD

## Form WWC-5

Division of Water Resources App. No.

P-11

<b>1 LOCATION OF WATER WELL:</b> County: <u>Sedgwick</u>		Fraction <u>SW 1/4 SE 1/4 SE 1/4 SW 1/4</u>		Section Number <u>27</u>		Township No. <u>T 26 S</u>		Range Number <u>R 1</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W																																																										
Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> <u>2100 East 37th Street North Wichita, KS 67219</u>				<b>Global Positioning System (GPS) information:</b> Latitude: <u>37.45.08.97</u> (in decimal degrees) Longitude: <u>97.18.33.66</u> (in decimal degrees) Elevation: ..... Datum: <input type="checkbox"/> WGS 84, <input type="checkbox"/> NAD 83, <input type="checkbox"/> NAD 27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: <u>Garmin GPS 12</u> ) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input checked="" type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m																																																														
<b>2 WATER WELL OWNER:</b> <u>Chevron Env. Management Company</u> RR#, Street Address, Box #: <u>6111 Bollinger Canyon Road</u> City, State, ZIP Code : <u>San Ramon, CA 94583</u>																																																																		
<b>3 LOCATE WELL WITH AN "X" IN SECTION BOX:</b> <div style="text-align: center;"> </div>		<b>4 DEPTH OF COMPLETED WELL</b> <u>35.0'</u> ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL <u>7.81'</u> ft. below land surface measured on mo/day/yr. <u>5-28-09</u> 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 <u>8.50"</u> in. to <u>35.0'</u> ft., and..... in. to..... ft. WELL WATER TO BE USED AS: <input type="checkbox"/> Public water supply <input type="checkbox"/> Geothermal <input type="checkbox"/> Injection well <input type="checkbox"/> Domestic <input type="checkbox"/> Feedlot <input type="checkbox"/> Oil field water supply <input type="checkbox"/> Dewatering <input type="checkbox"/> Other (Specify below) <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Domestic-lawn & garden <input checked="" type="checkbox"/> Monitoring well Was a chemical/bacteriological sample submitted to Department? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, mo/day/yr sample was submitted..... Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																
<b>5 TYPE OF CASING USED:</b> <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other ..... CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter <u>2"</u> in. to <u>20.0'</u> ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft. Casing height above land surface <u>3.0'</u> in., Weight..... lbs./ft., Wall thickness or gauge No. <u>Sch. 40</u> TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) ..... <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous slot <input checked="" type="checkbox"/> Mill slot <input type="checkbox"/> Gauze wrapped <input type="checkbox"/> Torch cut <input type="checkbox"/> Drilled holes <input type="checkbox"/> None (open hole) <input type="checkbox"/> Louvered shutter <input type="checkbox"/> Key punched <input type="checkbox"/> Wire wrapped <input type="checkbox"/> Saw cut <input type="checkbox"/> Other (specify) ..... SCREEN-PERFORATED INTERVALS: From <u>20.0'</u> ft. to <u>35.0'</u> ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From <u>18.0'</u> ft. to <u>35.0'</u> ft., From..... ft. to..... ft. From..... ft. to..... ft., From..... ft. to..... ft.																																																																		
<b>6 GROUT MATERIAL:</b> <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other ..... Grout Intervals: From <u>0</u> ft. to <u>18.0'</u> ft., From..... ft. to..... ft., From..... ft. to..... ft. What is the nearest source of possible contamination: <input type="checkbox"/> Septic tank <input type="checkbox"/> Lateral lines <input type="checkbox"/> Pit privy <input type="checkbox"/> Livestock pens <input type="checkbox"/> Insecticide storage <input type="checkbox"/> Other (specify below) <input type="checkbox"/> Sewer lines <input type="checkbox"/> Cesspool <input type="checkbox"/> Sewage lagoon <input checked="" type="checkbox"/> Fuel storage <input type="checkbox"/> Abandoned water well <input type="checkbox"/> Watertight sewer lines <input type="checkbox"/> Seepage pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer storage <input type="checkbox"/> Oil well/gas well Direction from well <u>North</u> Distance from well <u>1500'</u>																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td rowspan="10" style="text-align: center; vertical-align: middle;">See Boring Log</td> <td></td> <td></td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS			See Boring Log																																																
FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS																																																													
		See Boring Log																																																																
<b>7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:</b> This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo/day/year) <u>4-30-09</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>606</u> This Water Well Record was completed on (mo/day/year) <u>7-17-09</u> under the business name of <u>PSA Environmental</u> by (signature) <u>[Signature]</u>																																																																		
<b>INSTRUCTIONS:</b> Use typewriter or ball point pen. <u>PLEASE PRESS FIRMLY</u> and <u>PRINT</u> clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) 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 copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <a href="http://www.kdheks.gov/waterwell/index.html">http://www.kdheks.gov/waterwell/index.html</a> .																																																																		

## MONITOR WELL LOG

Well ID: P-11

Total Depth: 35 ft bgs

### PROJECT INFORMATION

**Project Name:** Former Unocal Chemical Distribution Facility

**Location:** Wichita, KS

**Logged By:** Kim Nguyen

**Project Manager:** Derek Peacock

**Ground Surface Elevation (ft, MSL):** 1348.76

**Top of Casing Elevation (ft, MSL):** 1351.45

**Coordinates:** N 1709902.68 E 1656598.15

### DRILLING INFORMATION

**Drilling Company:** PSA Environmental

**Driller:** Aaron Butler

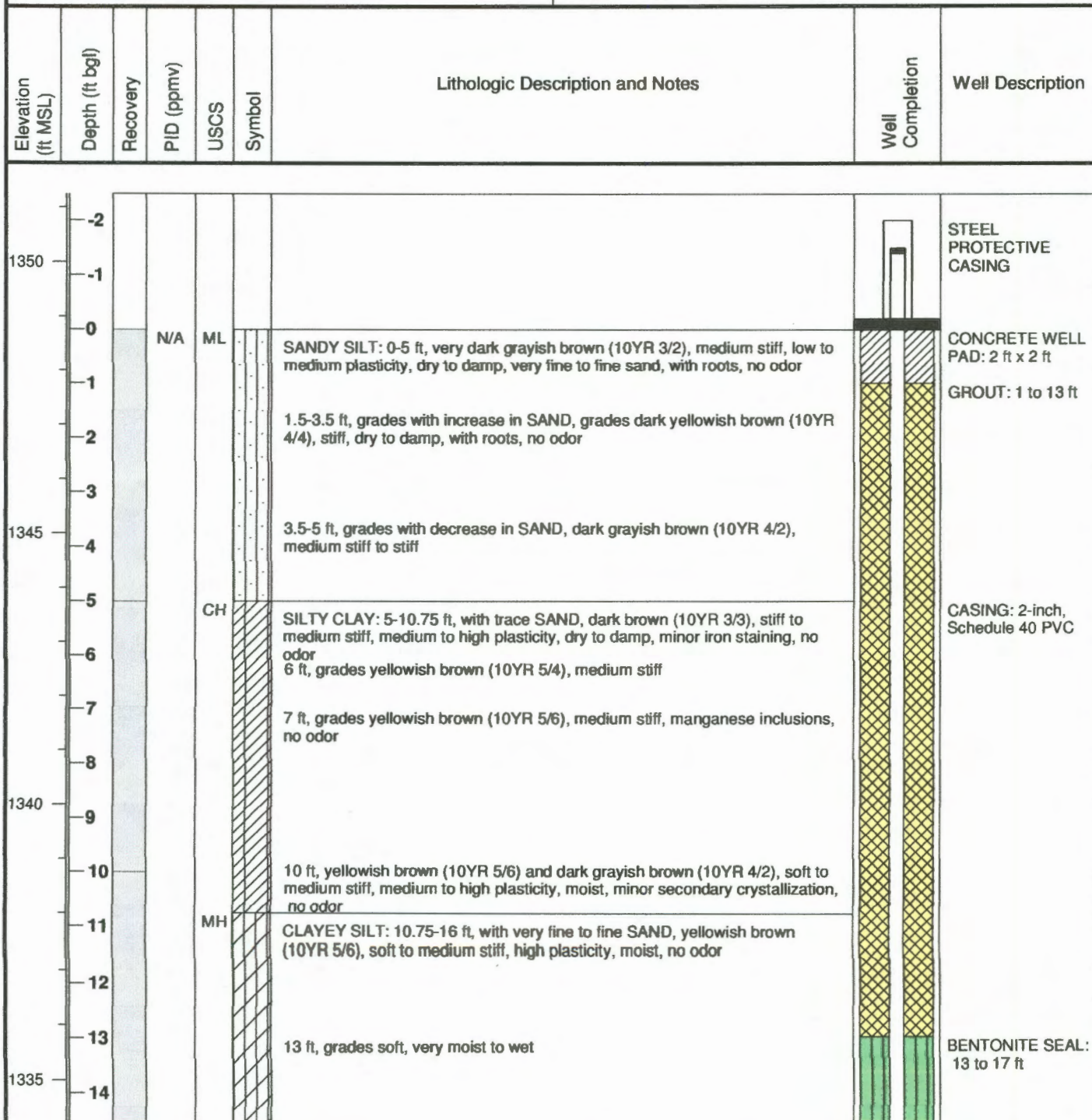
**Drilling Equipment:** Geoprobe 6620 DT

**Drilling Method:** Hollow Stem Auger

**Sampling Method:** DPT

**Borehole Diameter:** 8.5 inches

**Dates Drilled:** 4/28/09-4/30/09





Elevation (ft MSL)	Depth (ft bgl)	Recovery	PID (ppmv)	USCS	Symbol	Lithologic Description and Notes	Well Completion	Well Description
	15					15 ft, grades yellowish brown (10YR 5/4), medium stiff, no odor		
	16			CH		CLAY: 16-18.5 ft, light yellowish brown (2.5Y 6/3), stiff to very stiff, medium to high plasticity, moist, no odor		
	17							FILTER PACK: 17 to 35 ft, 10/20 Silica Sand
1330	18			ML		SANDY SILT: 18.5-19.5 ft, light greenish gray (5GY 7/1) and light yellowish brown (2.5Y 6/3), medium stiff, low plasticity, very moist to wet, fine to medium sand, no odor		
	19			SP		SAND: 19.5-20 ft, with SILT, medium dense, wet, medium to very coarse, no odor		
	20			ML		SANDY SILT: 20-25 ft, with pockets of SAND, light greenish gray (5GY 7/1) with red (10R 4/8) mottling, soft to medium stiff, wet, fine to medium sand, minor iron staining, no odor		SCREEN: 20 to 35 ft, 2-inch PVC, 0.010-inch slot
	21							
	22							
	23							
1325	24							
	25			SP		SAND: 25-28.25 ft, with SILT, yellowish brown (10YR 5/4), loose to medium dense, wet, coarse to very coarse, no odor		
	26							
	27							
	28			ML		SANDY SILT: 28.25-31 ft, light greenish gray (5GY 7/1) with red (10Y 4/8) mottling, stiff, nonplastic to low plasticity, dry to damp, very fine to medium sand, iron staining, no odor		
1320	29							
	30							
	31			CL		SILTY CLAY: 31-34 ft, light greenish gray (5GY 7/1), very stiff to hard, nonplastic to low plasticity, dry, no odor		
	32							
	33					33.75 ft, grades yellowish brown (10YR 5/6) and very dark grayish brown (10YR 3/2), hard, dry, no odor		
1315	34					34 ft, refusal		
	35					Borehole Total Depth = 34 ft bgs Well Total Depth = 35 ft bgs *Sample was stuck in sampler and extracted from 30-35 ft. The 30-35 ft sample description is general and approximate.* * PID was not functioning properly.*		