

<b>Project:</b> Motiva - Dissolved Phase Plume Investigation 2005	<b>Log of GWSB9B</b>
<b>Project Location:</b> Delaware City, Delaware	<b>EC13-36</b> Sheet 1 of 2
<b>Project Number:</b> 20240412.w1000	

Date(s) Drilled: 8/22/2005	Logged By: S.J. Zahniser	Checked By:
Drilling Method: Hollow Stem Auger	Drill Bit Size/Type:	Total Depth of Borehole: 95.5 feet
Drill Rig Type:	Drilling Contractor: Waiton Corporation	Surface Elevation: 38.73
Groundwater Level(s): Not Measured	Sampling Method(s):	Hammer Data:
Location: Delaware City Refinery - School	Borehole Completion: Cement & Bentonite Mix	

Elevation, feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
		Core Interval Lab Samples	Lab ID Number	Headspace H <sub>2</sub> O, ppm			
0					Topsoil		
					brown, fine to medium SAND and GRAVEL + trace SILT		
					orange-brown, fine to coarse SAND and GRAVEL + trace SILT		
					GRAVEL layer		
					orange-brown, coarse SAND and fine to medium GRAVEL + trace SILT		
					orange-brown, coarse SAND and medium GRAVEL + trace SILT and CLAY		
					orange-brown, medium to coarse SAND and some GRAVEL + trace SILT and CLAY		
					orange, yellow-brown, fine to medium SAND + trace SILT and coarse SAND		
					orange-brown, medium to coarse SAND + trace SILT		
					orange-brown, fine to medium SAND and some CLAY balls		
					orange-brown, fine to medium SAND + trace SILT		

MOTIVA MOTIVA.GPJ FAGWGN01.GDT 11/28/06

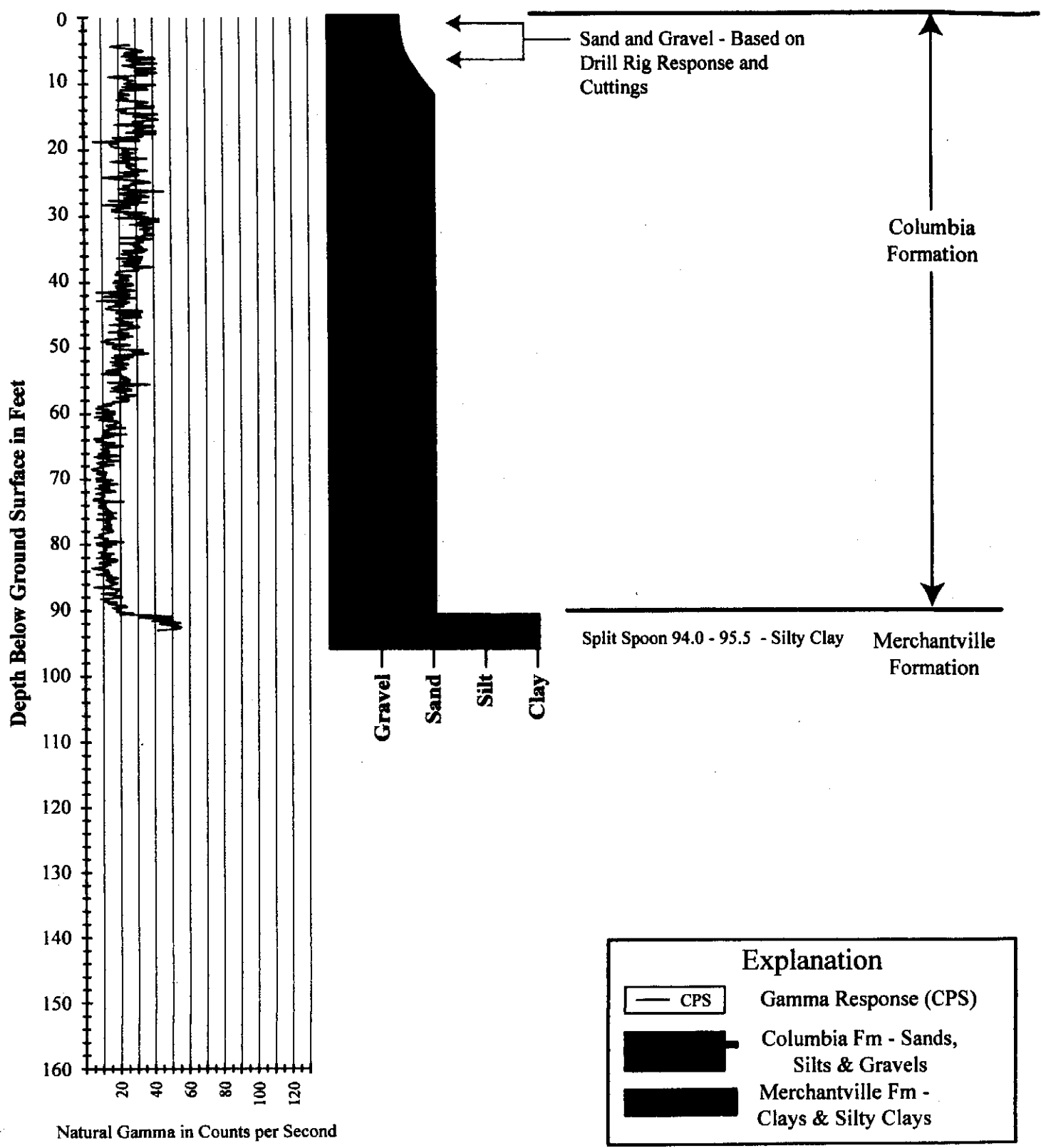
<b>Project: Motiva - Dissolved Phase Plume Investigation 2005</b> <b>Project Location: Delaware City, Delaware</b> <b>Project Number: 20240412.w1000</b>	<b>Log of GWSB9B</b> Sheet 2 of 2
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Elevation, feet	Depth, feet	SAMPLES			MATERIAL DESCRIPTION	FIELD NOTES
		Core Interval Lab Samples	Lab ID Number	Headspace HNu, ppm		
	70				orange-brown, fine to medium SAND + trace SILT	
-40	80					
	90				dark gray, silty, micaceous CLAY	
					Merchantville Formation	
-60	100					
	110					
-80	120					
	130					
-100	140					

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# Groundwater Screening Boring 9B Natural Gamma Profile and Boring Log Delaware City Refinery





MONTGOMERY WATSON

GEOLOGIC LOG

BORING OR WELL NO.: 9B, 9C, 9D

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

LOG RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

GROUND SURFACE ELEVATION (B.M.S.L.): \_\_\_\_\_ SAMPLING INTERVAL (ESTIMATED): \_\_\_\_\_

DRELL NO.: \_\_\_\_\_ OPERATOR: \_\_\_\_\_

DEPTH (FEET)	SAMPLING			STRATIGRAPHY	REMARKS
	SAMPLE INTERVAL	SAMPLE NUMBER	RECOVERY		
0				9B	
5				94-95.5: v. dark gray silt, t. clay, t. mica t. fine sand	
10				9C	
15				149-150.5: v. light <sup>mo. fl.</sup> gray pink salmon fine sand & silt,	
20				9D 120-120.75: color s. SA 9C clay	
25					