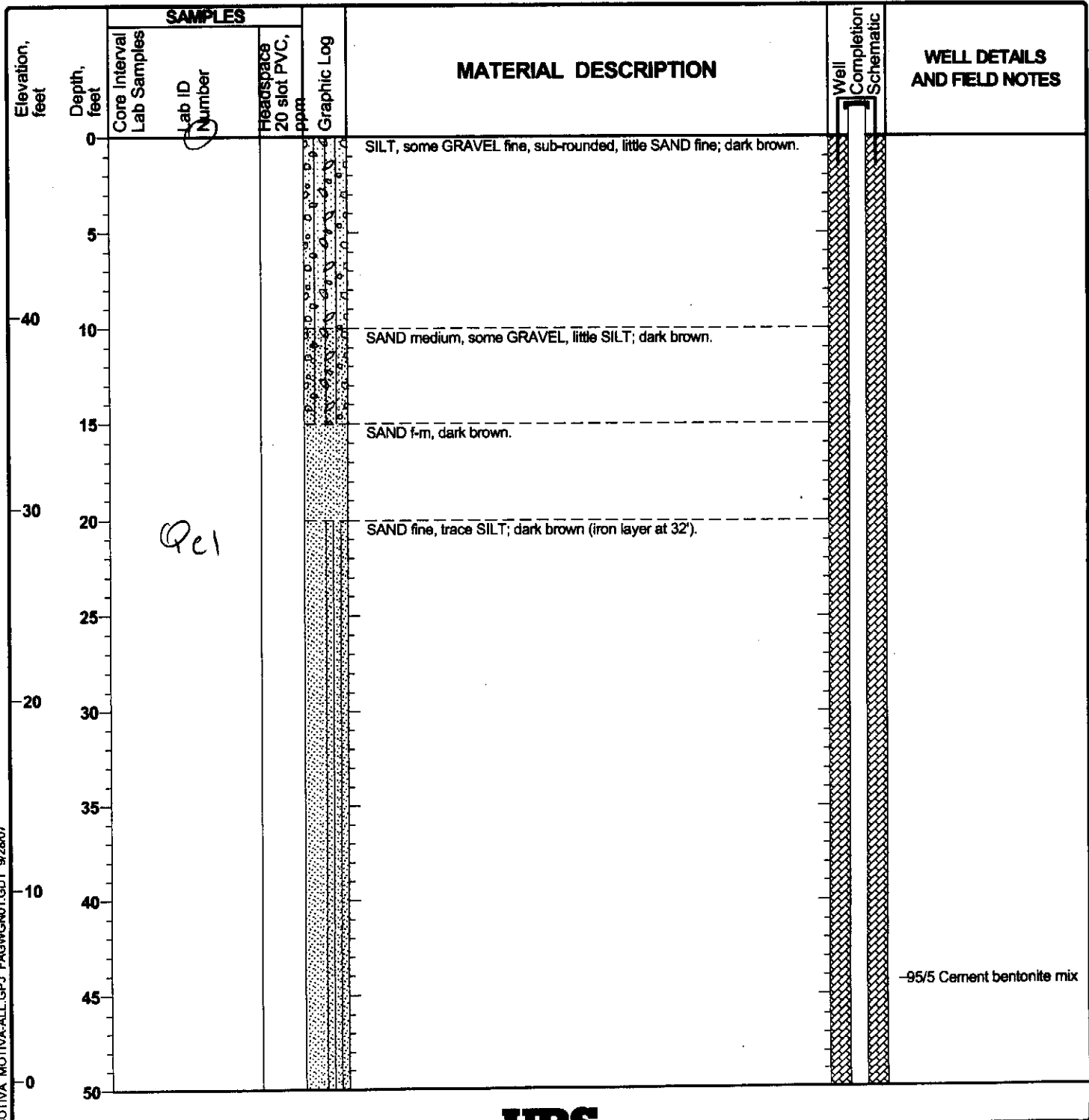


Project: Motiva - Monitoring Well and Soil Boring Data
 Project Location: Delaware City Refinery
 Project Number: 20240412.W1000

Log of Monitoring Well PW-E103C

Sheet 1 of 3 EC13-106

Date(s) Drilled	11/17/2005	Logged By	Nick Garner	Checked By	Nick Garner
Drilling Method	Mud Rotary	Drill Bit Size/Type	4.875 inch Roller Bit	Total Depth of Borehole	130.3 feet
Drill Rig Type	Mud Rotary/ Auger	Drilling Contractor	B. L. Myers Bros.	Surface Elevation	49.40 NAVD88
Groundwater Level(s)		Sampling Method(s)	Split Spoon	Top of Casing Elevation	
Location	S. Dragon Run Rd btw tank 9 & 5		Borehole Completion	Gravel Pack, Bentonite, Portland Grout	



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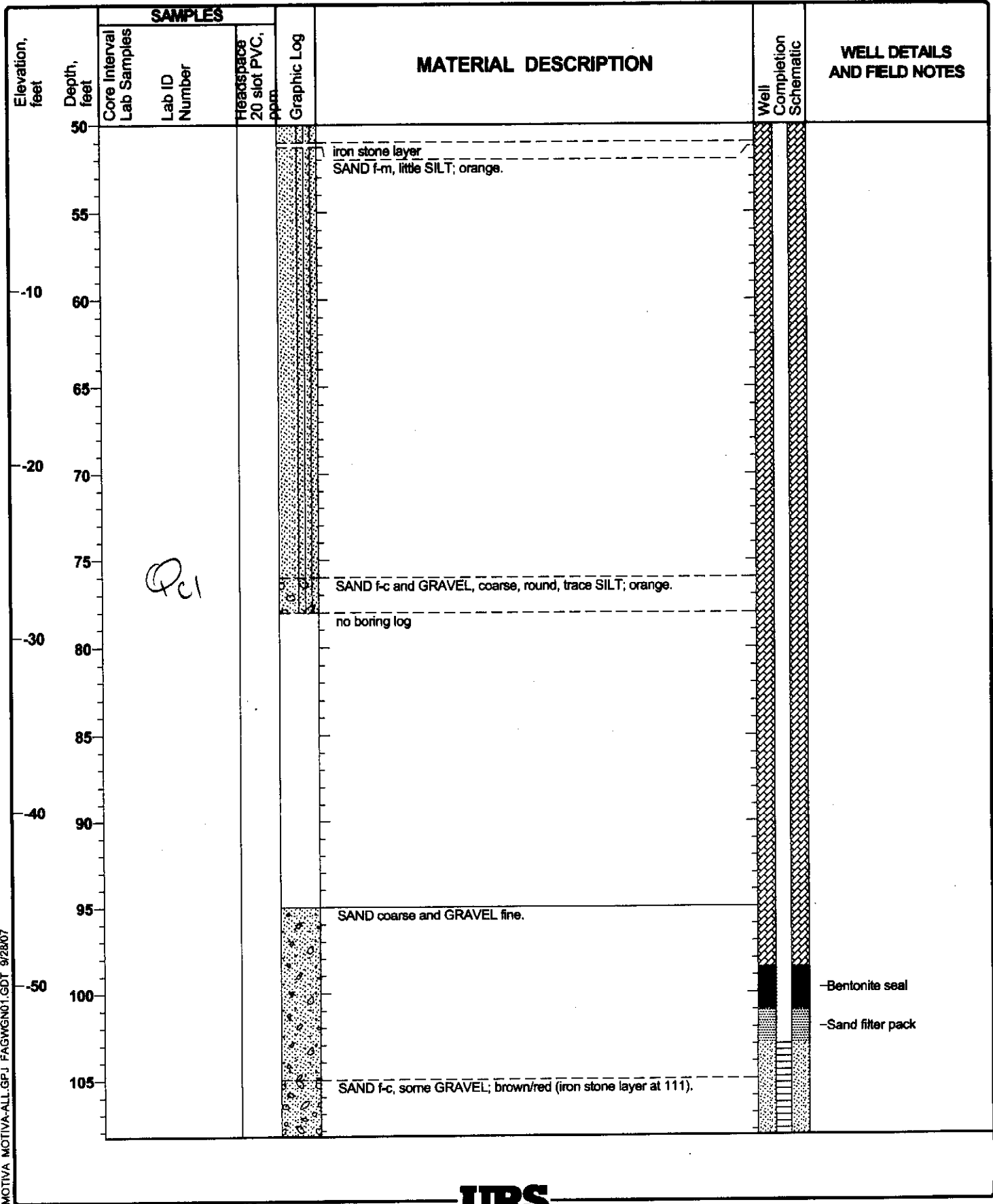
Project: Motiva - Monitoring Well and Soil Boring Data

Project Location: Delaware City Refinery

Project Number: 20240412.W1000

Log of Monitoring Well PW-E103C

Sheet 2 of 3



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Project: Motiva - Monitoring Well and Soil Boring Data
 Project Location: Delaware City Refinery
 Project Number: 20240412.W1000

Log of Monitoring Well PW-E103C

Sheet 3 of 3

Elevation, feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	Well Completion Schematic	WELL DETAILS AND FIELD NOTES
		Core Interval Lab Samples	Lab ID Number	Headspace 20 slot PVC, ppm				
-60	110							
	115	Qc1			no boring log		-2" PVC 0.020 slotted screen (103.0' - 123.0') - No. 2 SAND	
-70	120							
	125						Heave	
-80	130	130			SAND fine, well sorted; very light brown/tan.		End of boring (130.0')	
	135	kpt						
-90	140							
	145							
-100	150							
	155							
-110	160							
	165							

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