

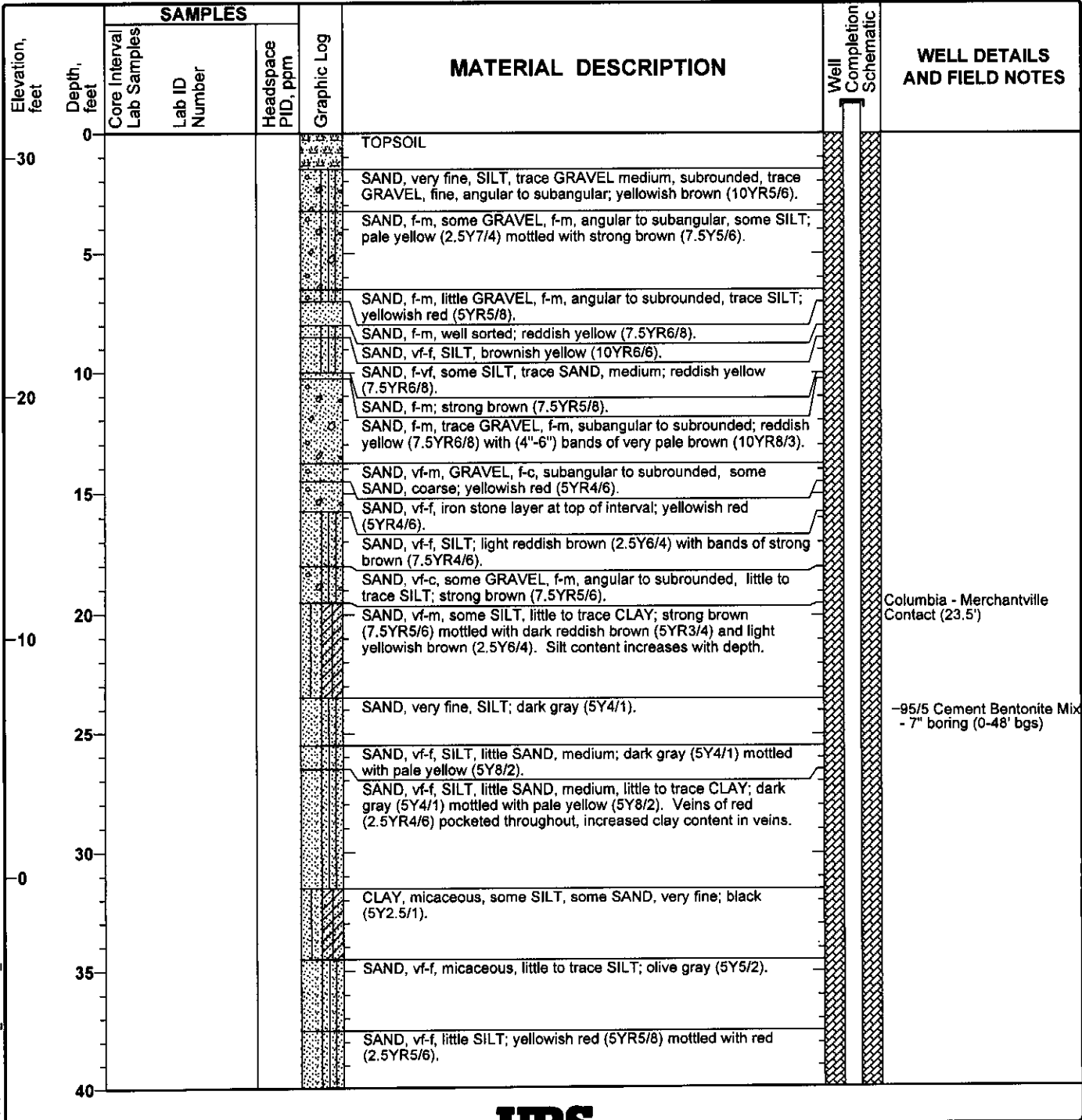
Project: Motiva Perimeter Wells
 Project Location: DCR Delaware City, DE
 Project Number:

EC13-24

Log of Monitoring Well D41C

Sheet 1 of 5

Date(s) Drilled	5/01/06	Logged By	Nick Garner Stephen Zahniser	Checked By	Nick Garner
Drilling Method	Roto Sonic	Drill Bit Size/Type	NA	Total Depth of Borehole	220.0 feet
Drill Rig Type	Roto Sonic	Drilling Contractor	ProSonic Drilling	Surface Elevation	31.00
Groundwater Level(s)		Sampling Method(s)	4" Core Barrel	Top of Casing Elevation	
Location	DCR, Delaware City, DE	Borehole Completion			



MOTIVA MOTIVA_DSERIES_2006.GPJ FAGVGN01.GDT 11/28/06



Project: Motiva Perimeter Wells
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 Project Number:

Log of Monitoring Well D41C

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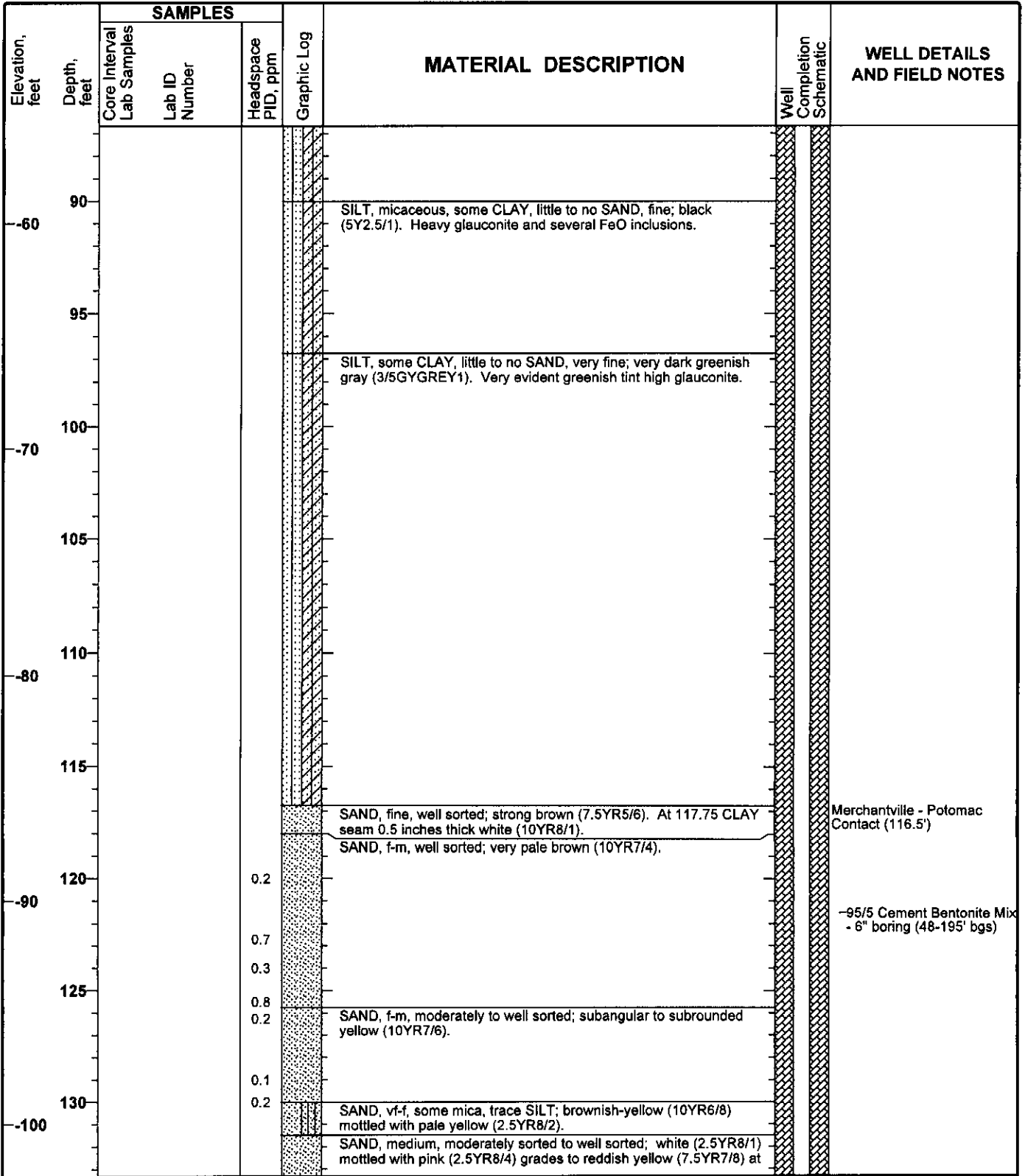
Elevation, feet	Depth, feet	SAMPLES			Graphic Log	MATERIAL DESCRIPTION	Well Completion Schematic	WELL DETAILS AND FIELD NOTES
		Core Interval Lab Samples	Lab ID Number	Headspace PID, ppm				
-10	40							
						SILT, micaceous, some SAND, fine; black (5Y2.5/1).		
	45							
						SILT, micaceous, some SAND, very fine, little to trace CLAY; black (5Y2.5/1).		
-20	50							
	55							
	60							
-30	65							
	70							
-40	75							
	80							
-50	85							

MOTIVA MOTIVA_DSERIES_2006.GPJ FAGWGN01.GDT 11/29/06

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Log of Monitoring Well D41C

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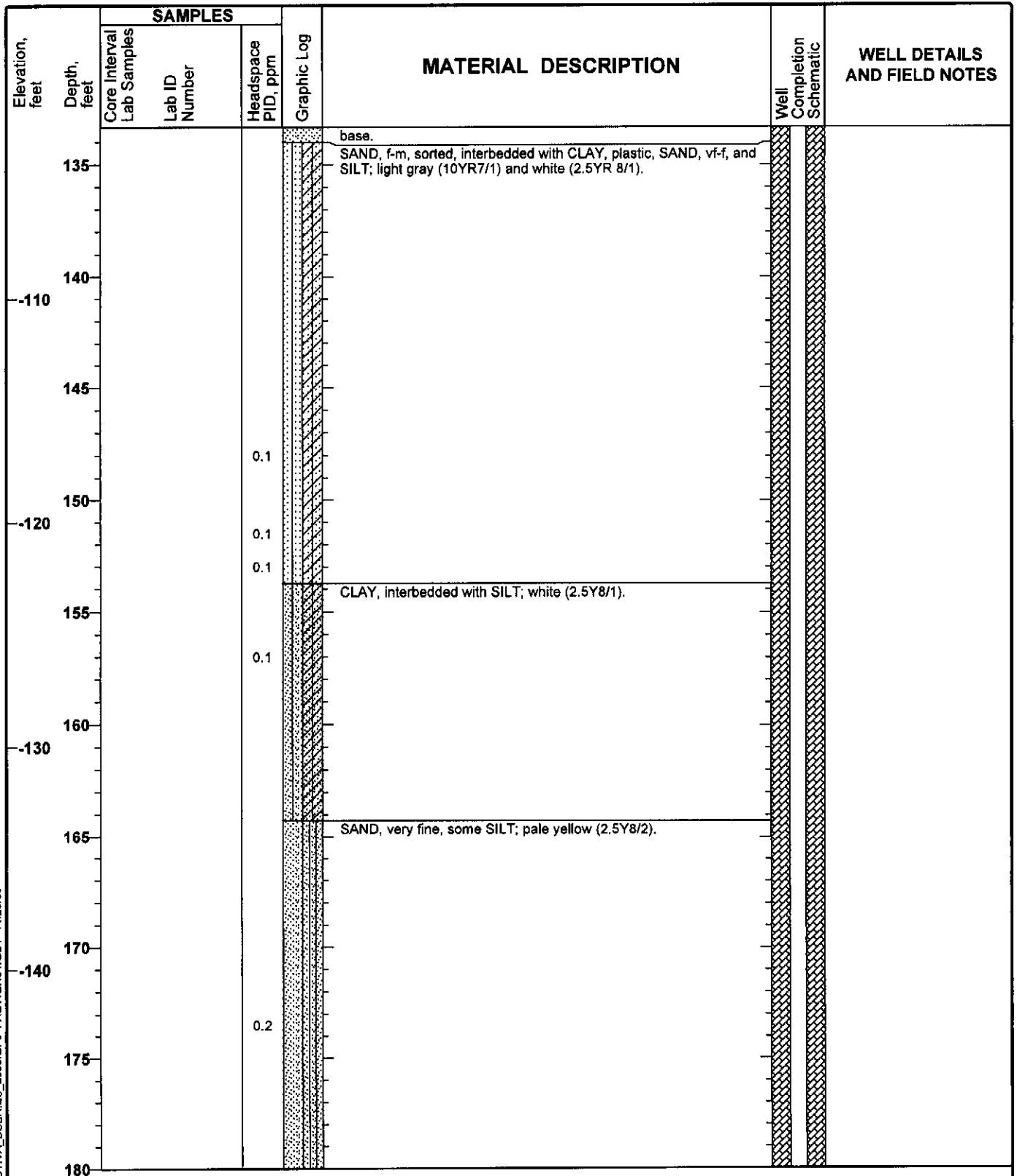
MOTIVA MOTIVA_DSERIES_2006.GPJ FAGWGN01.GDT 11/28/06



Project: Motiva Perimeter Wells
 Project Location: DCR Delaware City, DE
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Log of Monitoring Well D41C

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MOTIVA MOTIVA_DSERIES_2006.GPJ FAGMGN01.GDT 11/28/06



Project: Motiva Perimeter Wells
 Project Location: DCR Delaware City, DE
 Project Number:

Log of Monitoring Well D41C

Sheet 5 of 5

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 PID, ppm				
-150	180							
				0.1		SAND, f-m; light yellowish brown (2.5Y6/4) grading to reddish yellow (5YR6/6) and little medium garnet-like grains.		
	185			0.4				
				0.2		SAND, f-m, some medium garnet like-grains; reddish yellow (5YR6/6) mottled with pinkish white (5YR8/2).		
				0.9		SAND, f-m; pinkish white (5YR8/2).		
						SAND, vf-f; pinkish white (5YR8/2) grading to reddish yellow (7.5YR6/6).		
	190			0.1		SAND, very fine; very pale brown (10YR7/4).		
				0.3				
				0.4		SAND, very fine, little to some SILT, few SAND nodules, f-m grained; brownish yellow (10YR6/6).		
	195			0.1		SAND, very fine, little to some SILT, few SAND nodules, f-m grained; pale yellow (2.5Y7/4).		
						SAND, fine; brownish yellow (10YR6/6) and pale yellow (2.5Y7/3).		
				0.2				
				0.1		SAND, very fine, SILT, possible aquitard; white (5Y8/1).		-Bentonite Seal
	200					SAND, f-m, poorly sorted to moderately sorted, some lithification at 200-200.5; pale yellow (2.5Y7/4) mottled with olive yellow (2.5Y6/6) and yellowish brown (10YR5/8).		-No.2 Sand Filter Pack
	205					SILT, some CLAY; pale yellow (5Y8/2).		
						SAND, medium, sorted; white (5Y8/1).		
						SAND, fine moderately sorted; pink (7.5YR7/3).		
						SAND, very fine, little SILT, little mica, f-m grained; white (5Y8/1).		
	210			0.1		SILT, some CLAY; white (5Y8/1).		
						SAND, vf-f, moderately sorted; light yellowish brown (2.5Y6/3) mottled with pale yellow (2.5Y8/2).		-No.2 Sand Filter Pack
				1.2		SILT; yellowish red (5YR5/8).		
				0.5		SILT; light gray (5Y7/2).		
				0.5		SILT; black (5Y2.5/1).		
	215					Clayey SILT and silty CLAY; white (5Y8/1).		-Bentonite Pellet Backfill
	220							
	225							

MOTIVA MOTIVA_DSERIES_2006.GPJ FAGWGN01.GDT 11/28/06

