

Log of Boring No. BRC-SB-09-B

BMI Site - Hydrogeologic Characterization

Henderson, Nevada



Drilling Method: Rotary Sonic
Drilling Equipment: Rotary Sonic
Drilling Contractor: Prosonic Corporation
Driller: Geraldo Chavez

Borehole Total Depth: 230 ft bgs
Borehole Diameter: 8.5 in
Boring Location: Location 9 (Well ID: AA-09)
Depth to Water (ft. bgs): 35.5 ft bgs

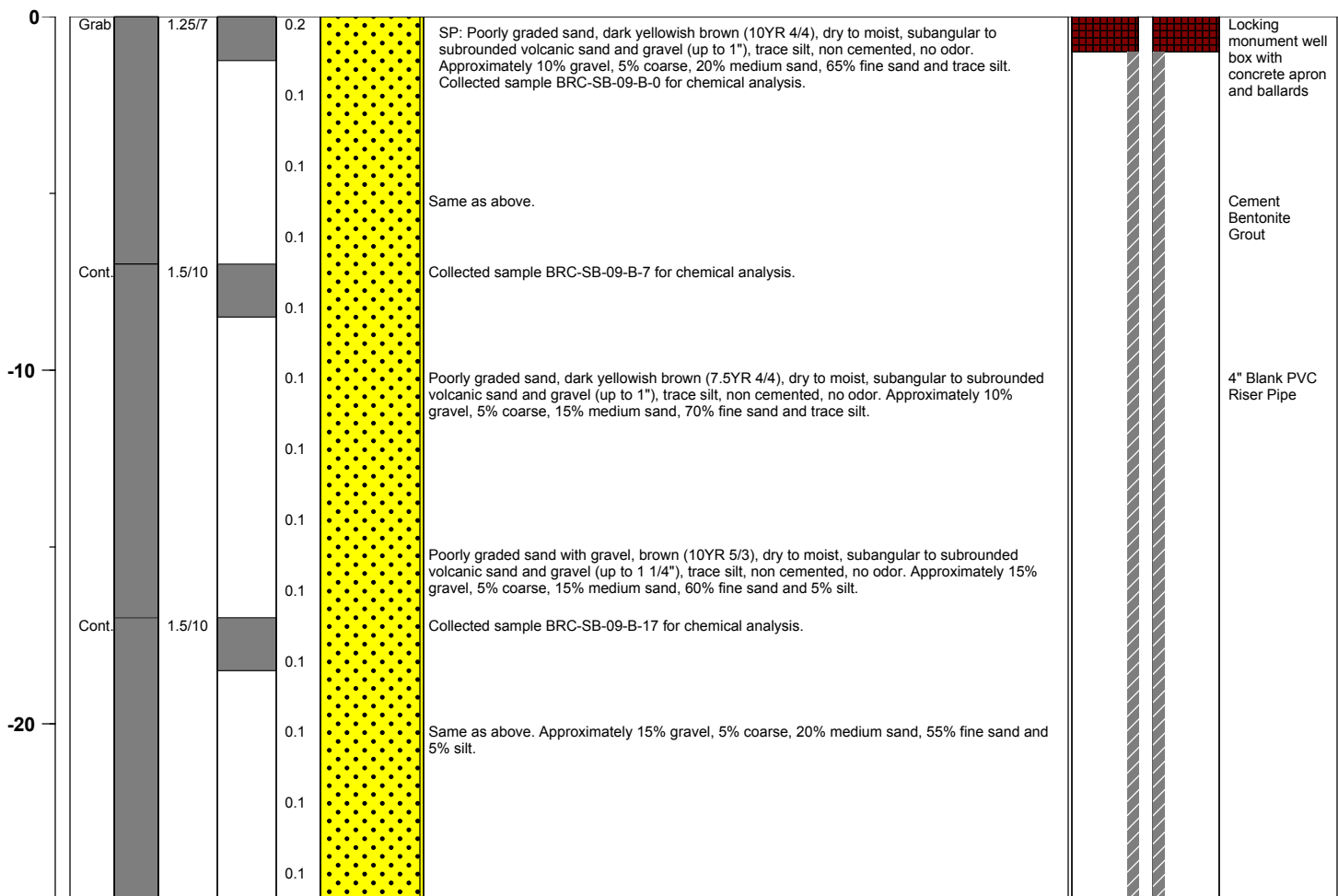
Sample Type: Cont. Core
Sample Interval: Continuous

Logged By: Jennifer Wiley
Date Started: 6/6/04
Date Completed: 6/7/04

Monitoring Well Construction

Type of Surface Seal:	Bentonite Grout	Screen Slot Size:	0.010 in
Blank Casing Type/Size:	4" Sch 80 PVC	Top of Screen (ft. bgs):	105 ft bgs
Screen Type/Size:	4" Sch 80 PVC	Bottom of Screen (ft. bgs):	125 ft bgs
Transition Sand Type:	N/A	Type of Sand Pack:	#2 x 12

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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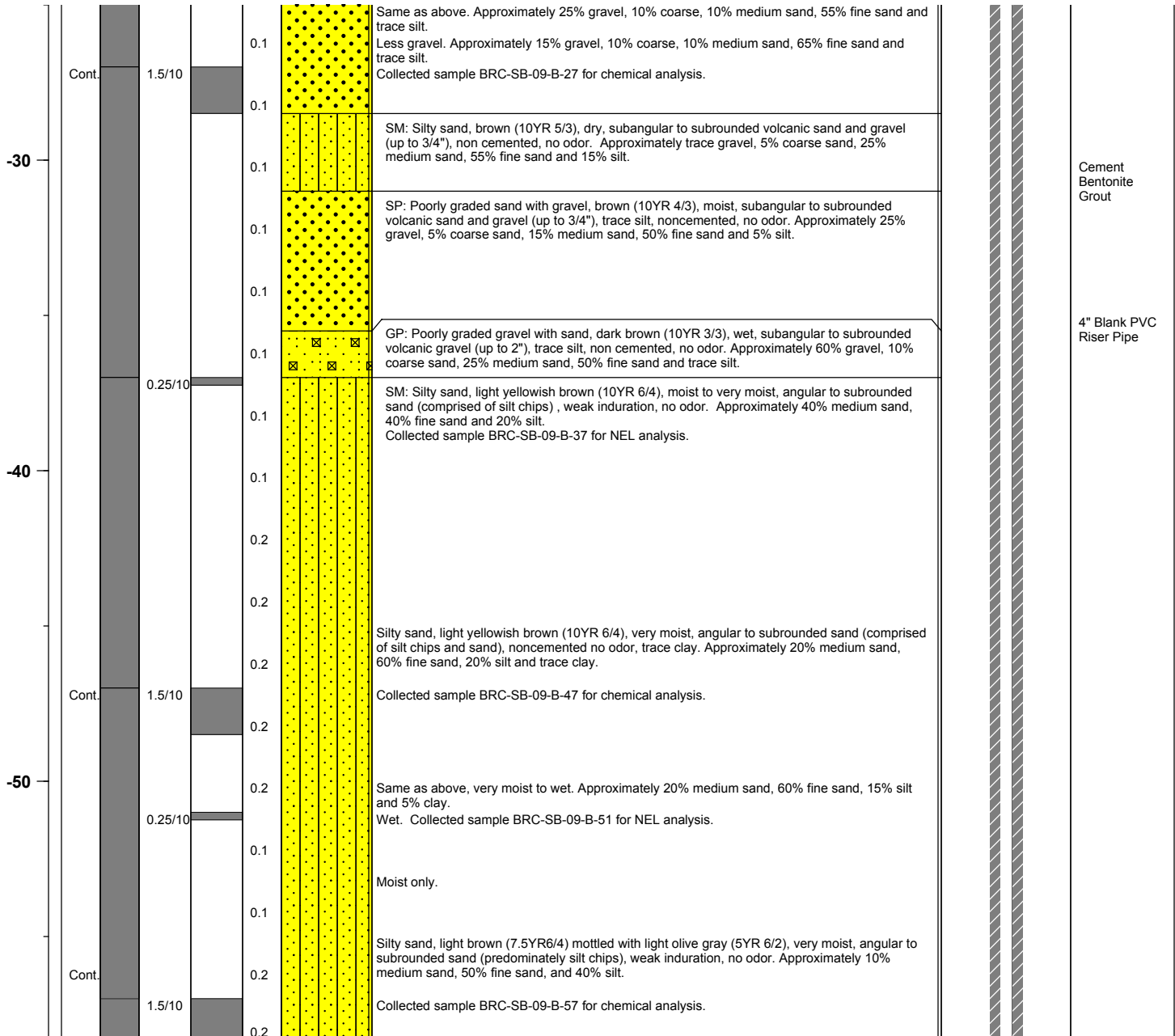
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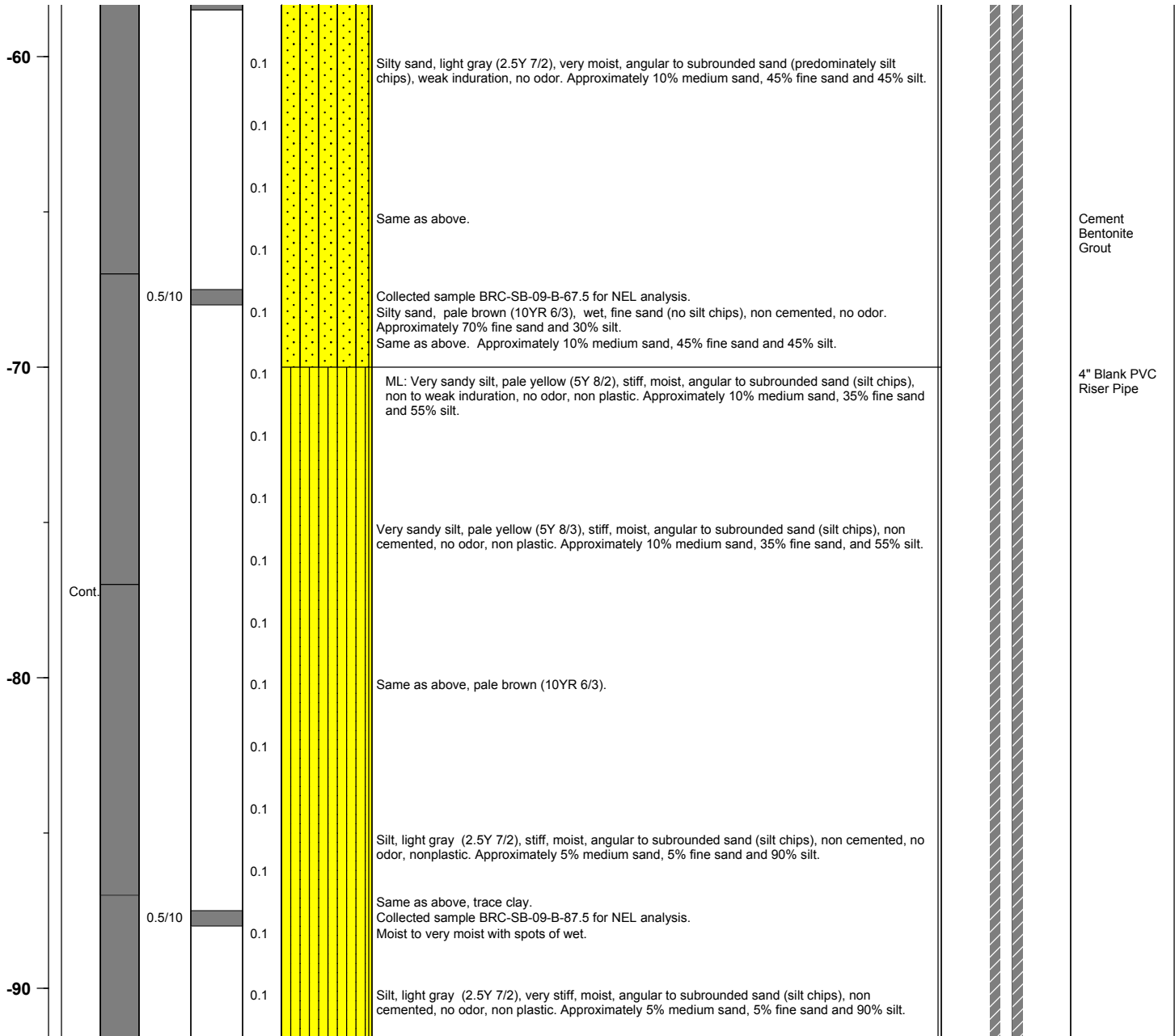
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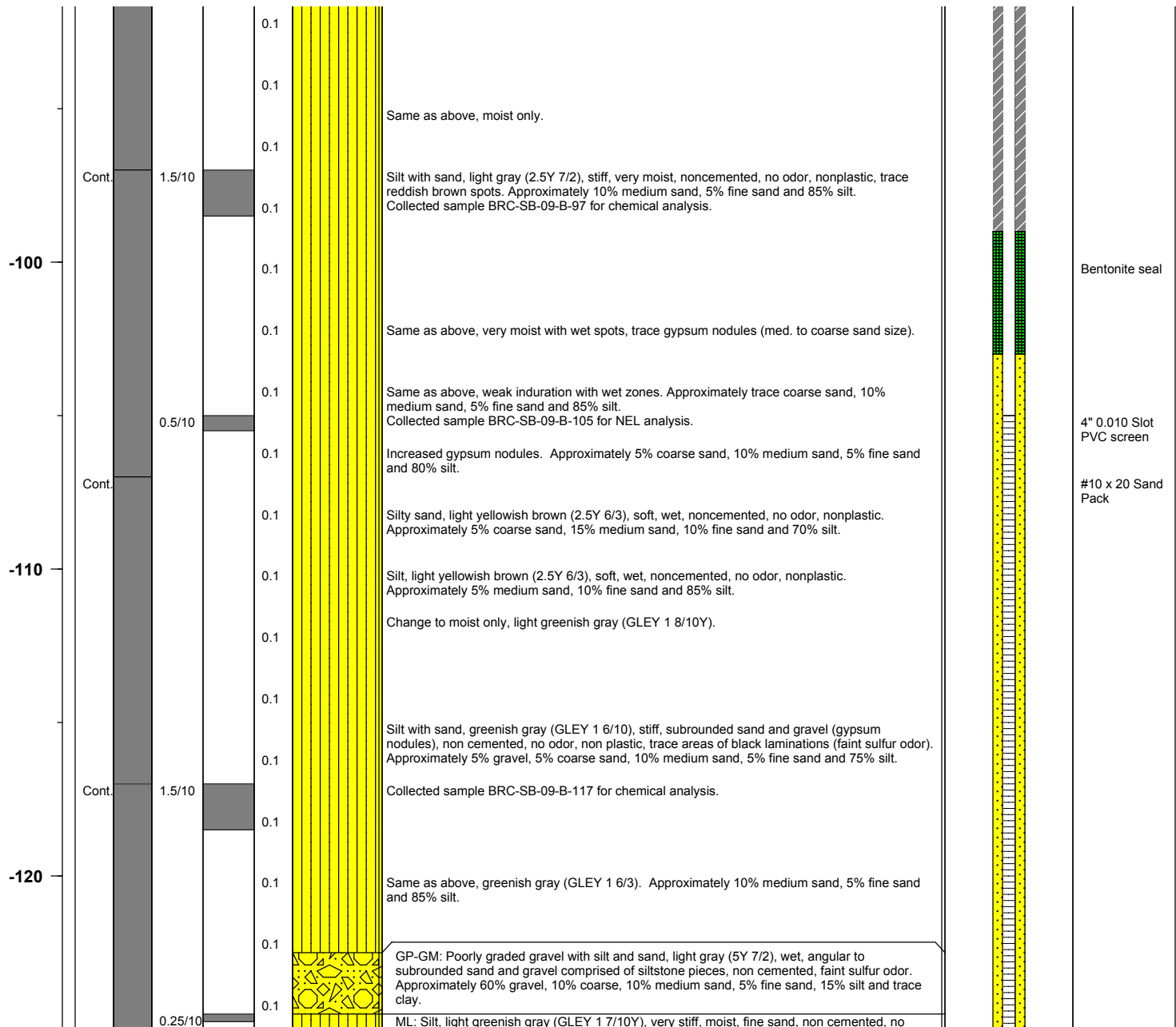
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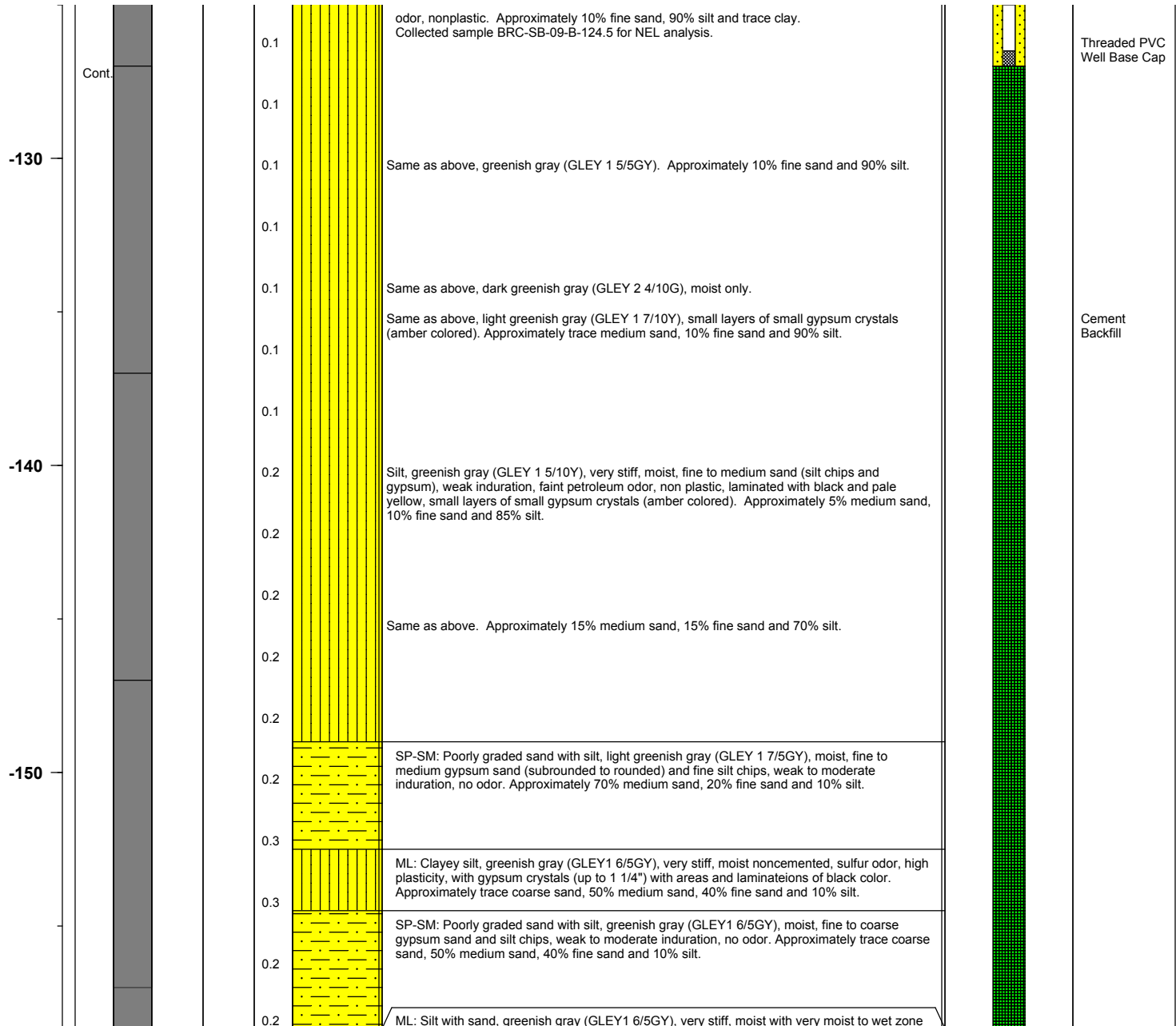
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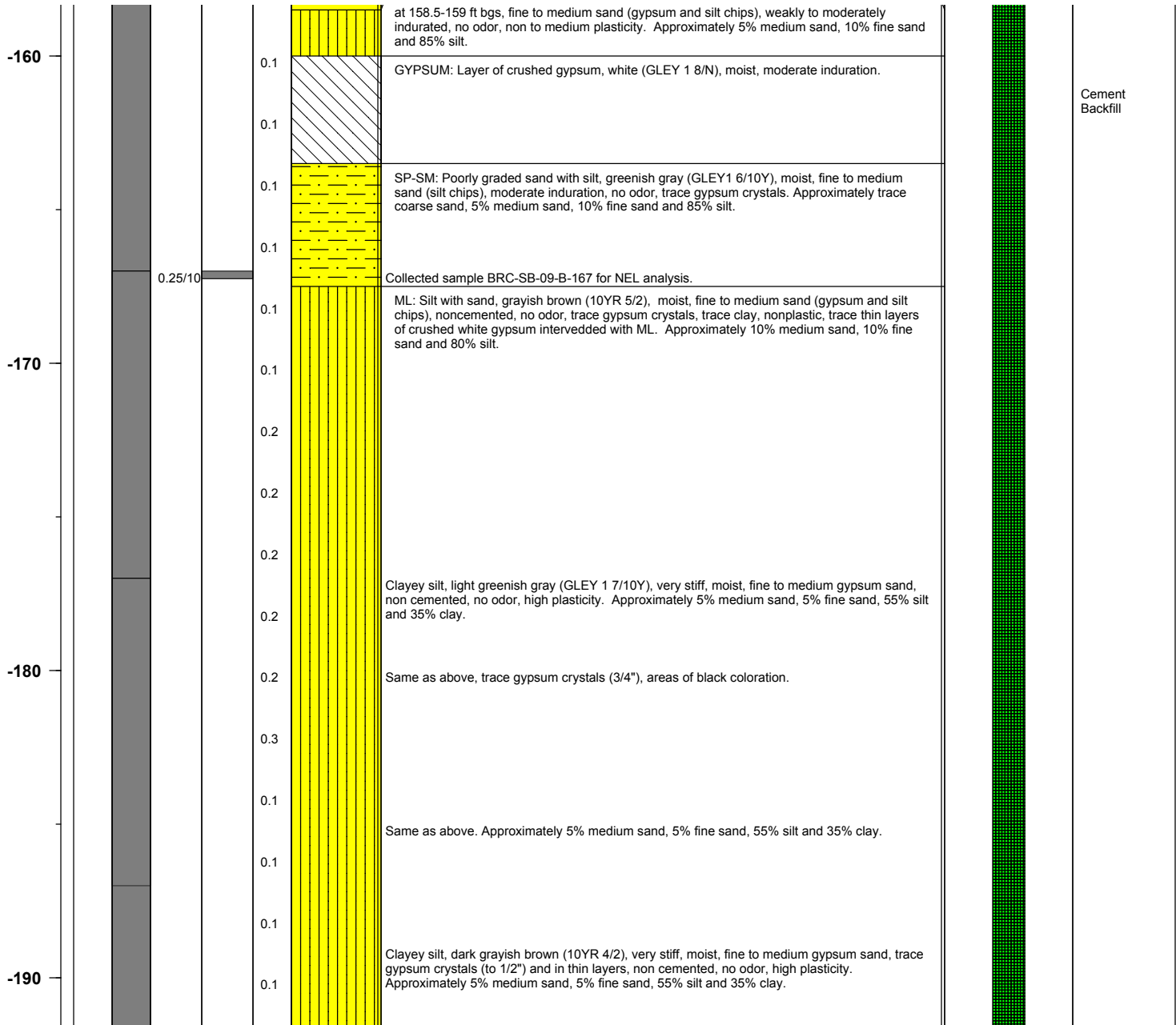
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					0.1		Same as above. Increased gypsum crystals to 1/4".	
					0.1			
					0.1		Same as above with very large gypsum crystals(to 3") abundant.	
					0.1		Sandy silt, grayish brown (10YR 5/2), moist to very moist, fine to medium gypsum sand, trace clay, noncemented no odor, trace gypsum crystals (to 1/4"), non plastic. Approximately 30% medium sand, 10% fine sand, 60% silt and trace clay.	
-200					0.4			
					0.1		SM: Silty sand, dark grayish brown (10YR 4/2), moist, fine to medium gypsum sand, noncemented to weak induration, no odor, trace gypsum crystals, trace clay, non plastic, trace clay. Approximately 40% medium sand, 25% fine sand, 35% silt and trace clay.	
					0.1			
					0.1			
					0.1		ML: Clayey silt, dark grayish brown (10YR 4/2), very stiff, moist to very moist in spots, fine to medium gypsum sand, noncemented, no odor, with gypsum crystals (to 1/2"), high plasticity. Approximately 5% medium sand, 5% fine sand, 50% silt and 40% clay.	
-210					0.2			
					0.1		GYPSUM: Gypsum crystals and crushed gypsum, moist only.	
					0.1		ML: Clayey silt, gray (10YR 5/1), stiff, moist, weak to moderate induration, no odor, high plasticity, trace gypsum crystals, fine to medium gypsum sand. Approximately 5% medium sand, 5% fine sand, 50% silt and 40% clay.	
					0.1			
					0.1		Sandy silt, grayish brown (10YR 5/3), moist to very moist, fine to medium gypsum sand, trace clay, noncemented no odor, trace gypsum crystals (to 1/4"), nonplastic. Approximately 30% medium sand, 10% fine sand, 60% silt and trace clay.	
-220					0.1		Clayey silt, brown (10YR 5/3), very stiff, moist, weak induration, no odor, high plasticity, fine to medium gypsum sand. Approximately 5% medium sand, 5% fine sand, 50% silt and 40% clay.	
					0.1		Sandy silt, brown (10YR 4/3), very stiff, moist, fine to medium gypsum sand, trace clay, non to weakly indurated, no odor. Approximately 30% medium sand, 10% fine sand, 60% silt and trace clay.	
					0.1		GYPSUM: Gypsum crystal layer, moist.	

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-230	Cont.			0.1		ML: Powdered/crushed gypsum abundant in silt. Approximately 30% medium sand, 10% fine sand, 60% silt and trace clay.		Cement Backfill
				0.1		GYPSUM: Crushed gypsum, white (10YR 8/1), dry to moist. At last 3" crystalline gypsum in crushed gypsum matrix.		

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