

# Log of Boring No. BRC-SB-06-B

## BMI Site - Hydrogeologic Characterization

### Henderson, Nevada



**Drilling Method:** Rotary Sonic  
**Drilling Equipment:** Rotary Sonic  
**Drilling Contractor:** Prosonic Corporation  
**Driller:** Gerardo Chavez

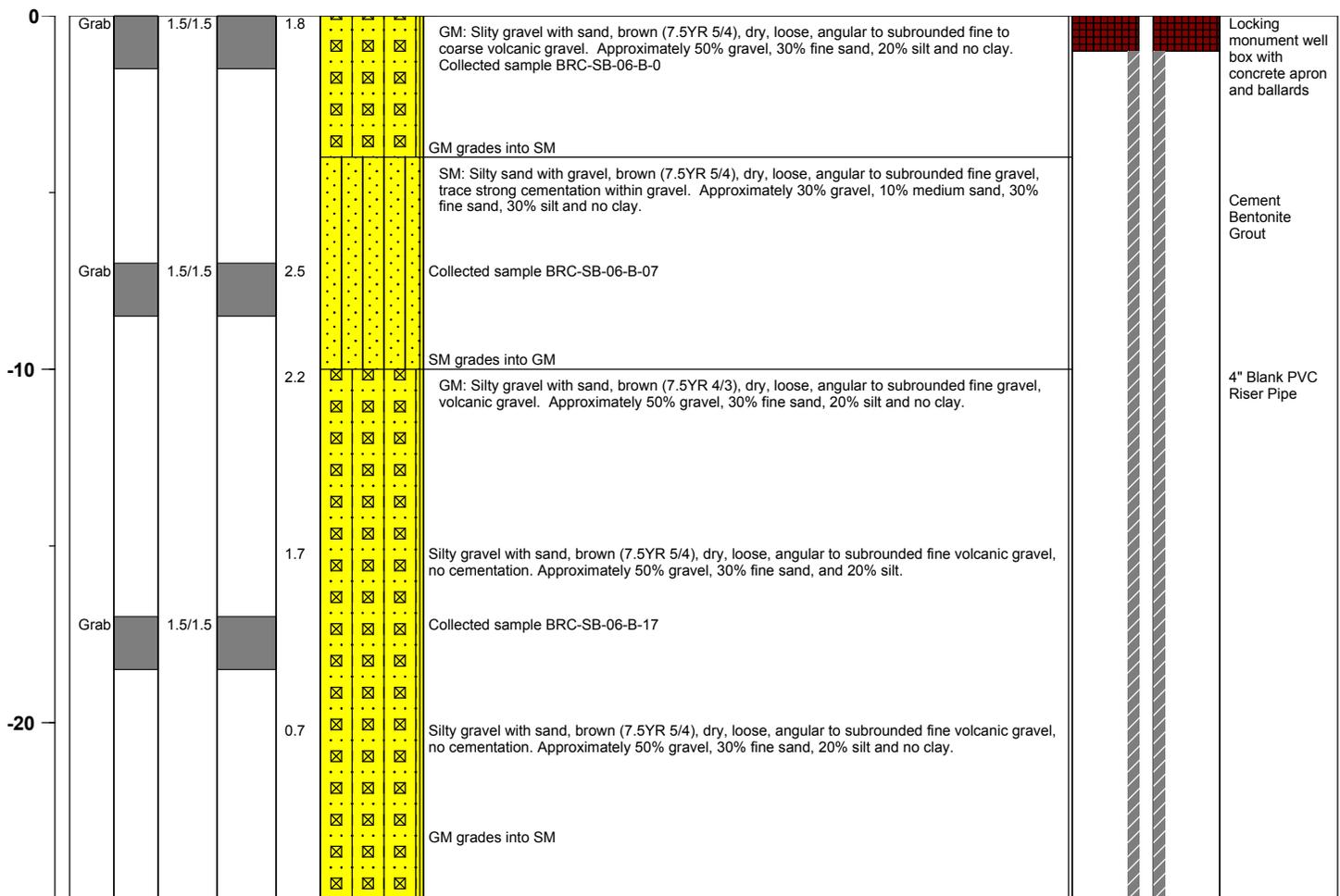
**Borehole Total Depth:** 266 ft bgs  
**Borehole Diameter:** 7 in to 266 ft and 8.5 in to 266 ft bgs  
**Boring Location:** Location 6 (Well ID: MCF-06B)  
**Depth to Water (ft. bgs):** 54 ft. bgs

**Sample Type:** Continuous Core  
**Sample Interval:** Varies

**Logged By:** Tony Mikacich  
**Date Started:** 7/08/04  
**Date Completed:** 7/10/04

Monitoring Well Construction			
<b>Type of Surface Seal:</b>	Bentonite Grout	<b>Screen Slot Size:</b>	0.010 in
<b>Blank Casing Type/Size:</b>	4" Sch 80 PVC	<b>Top of Screen (ft. bgs):</b>	67 ft bgs
<b>Screen Type/Size:</b>	4" Sch 80 PVC	<b>Bottom of Screen (ft. bgs):</b>	82 ft bgs
<b>Transition Sand Type:</b>	N/A	<b>Type of Sand Pack:</b>	# 10 x 20

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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Project No. 3850360

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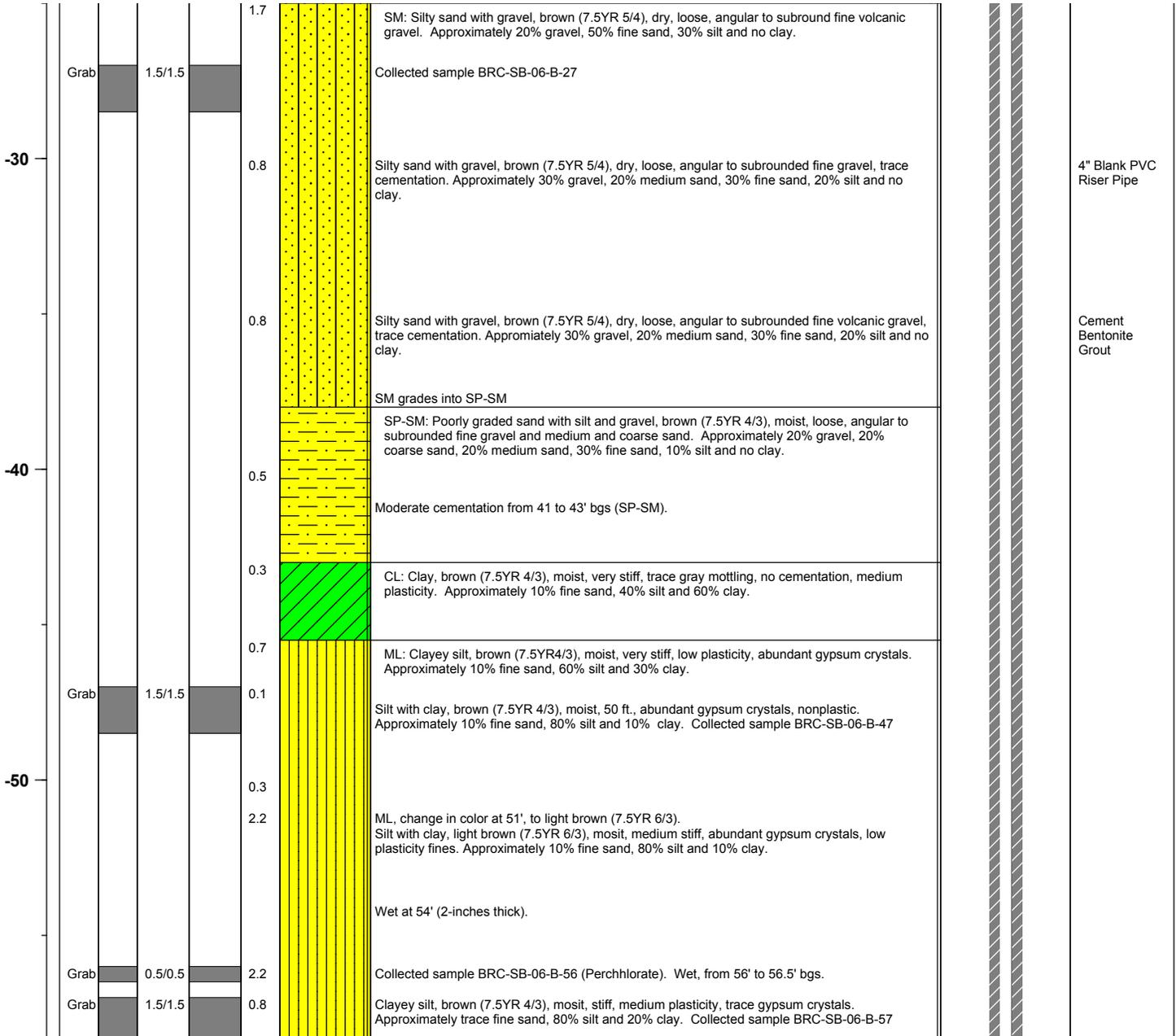


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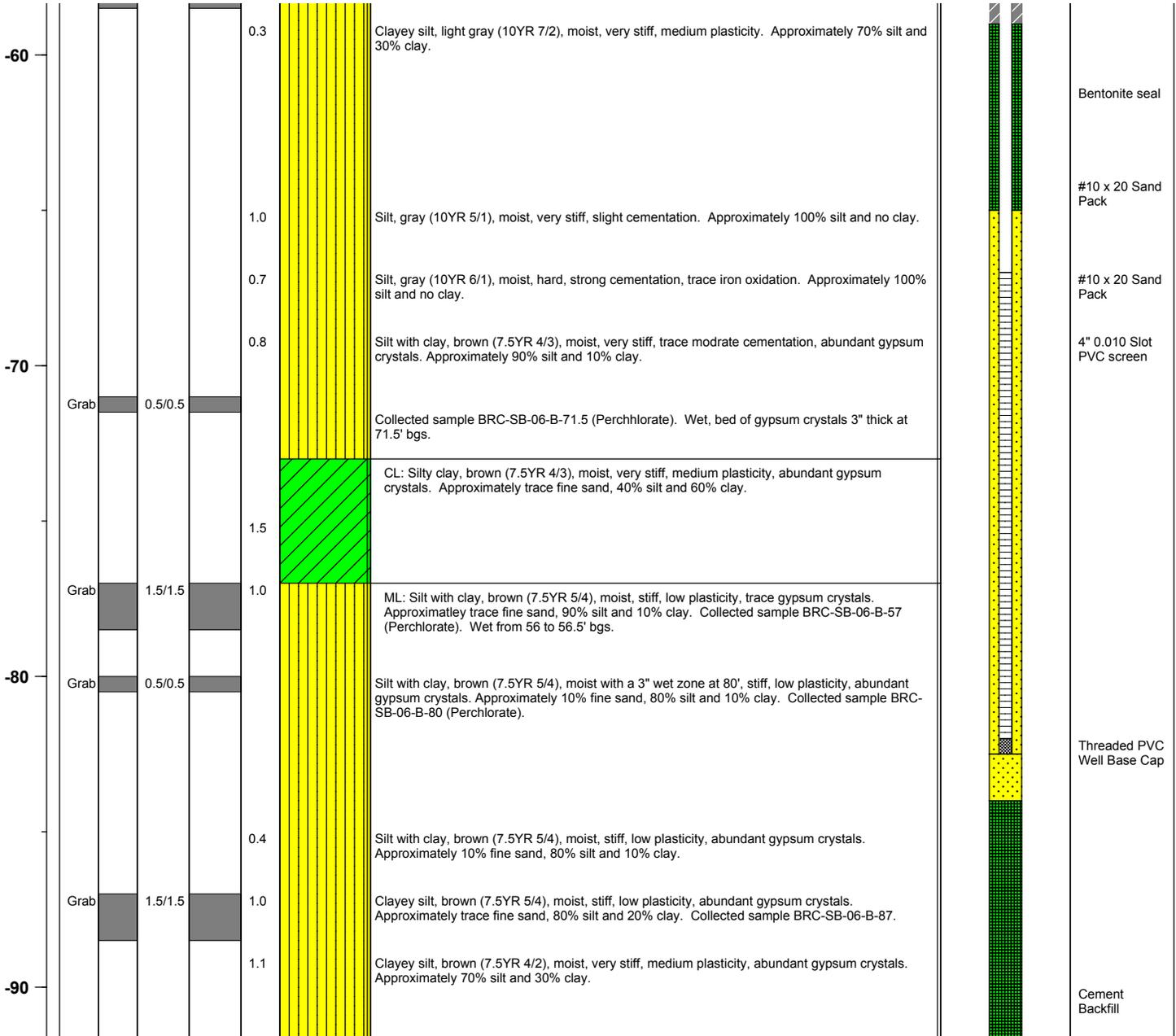


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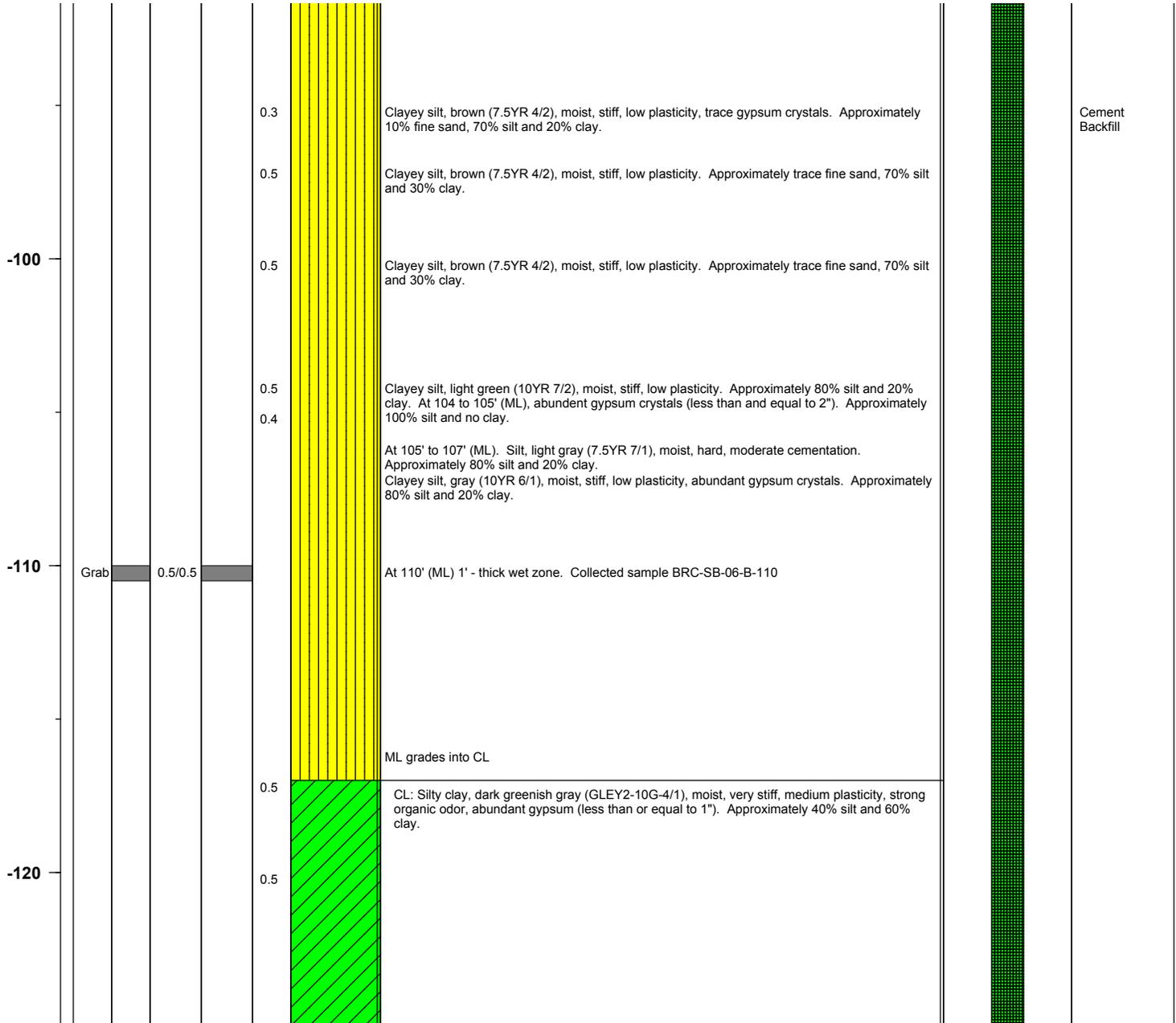


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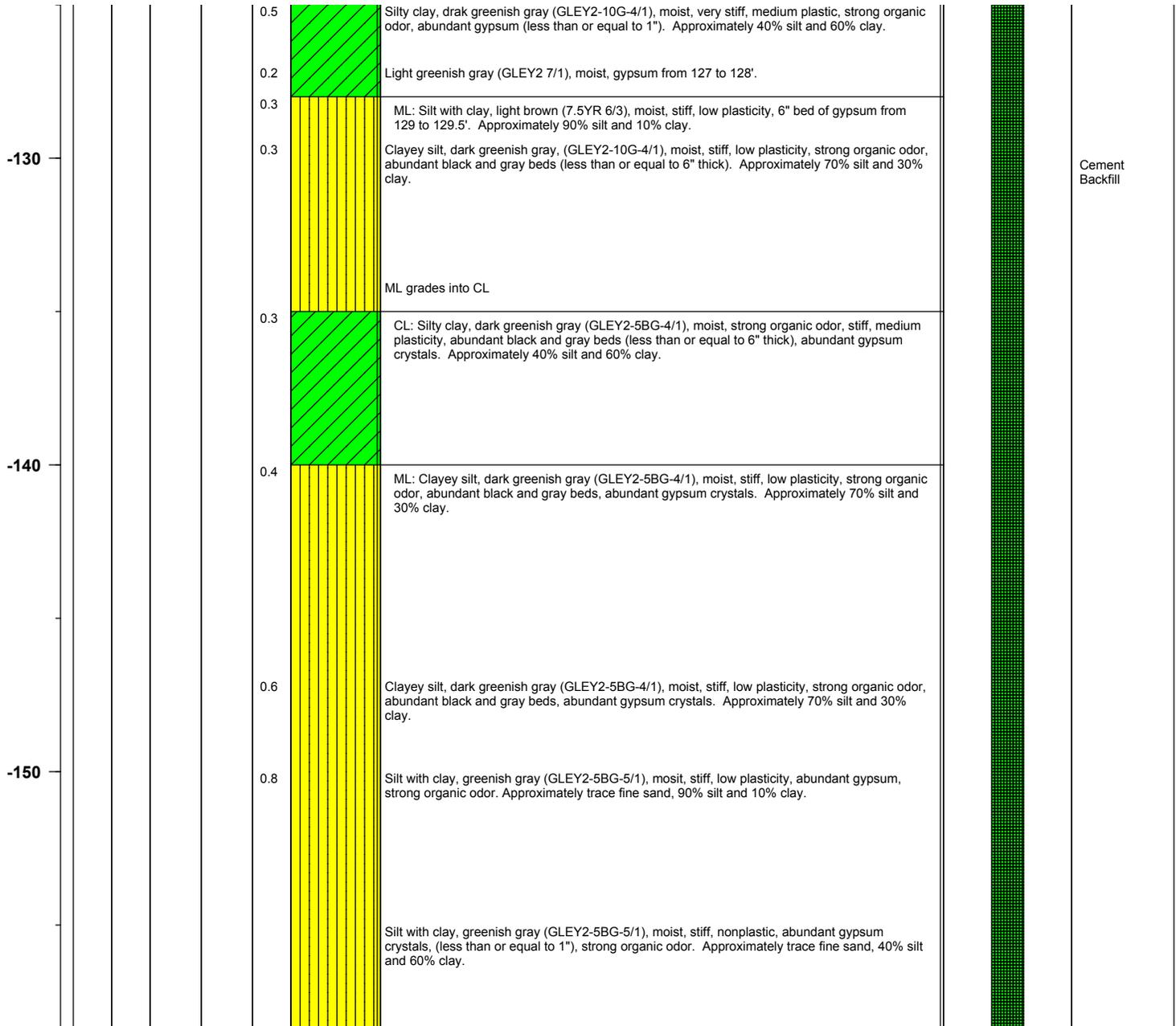


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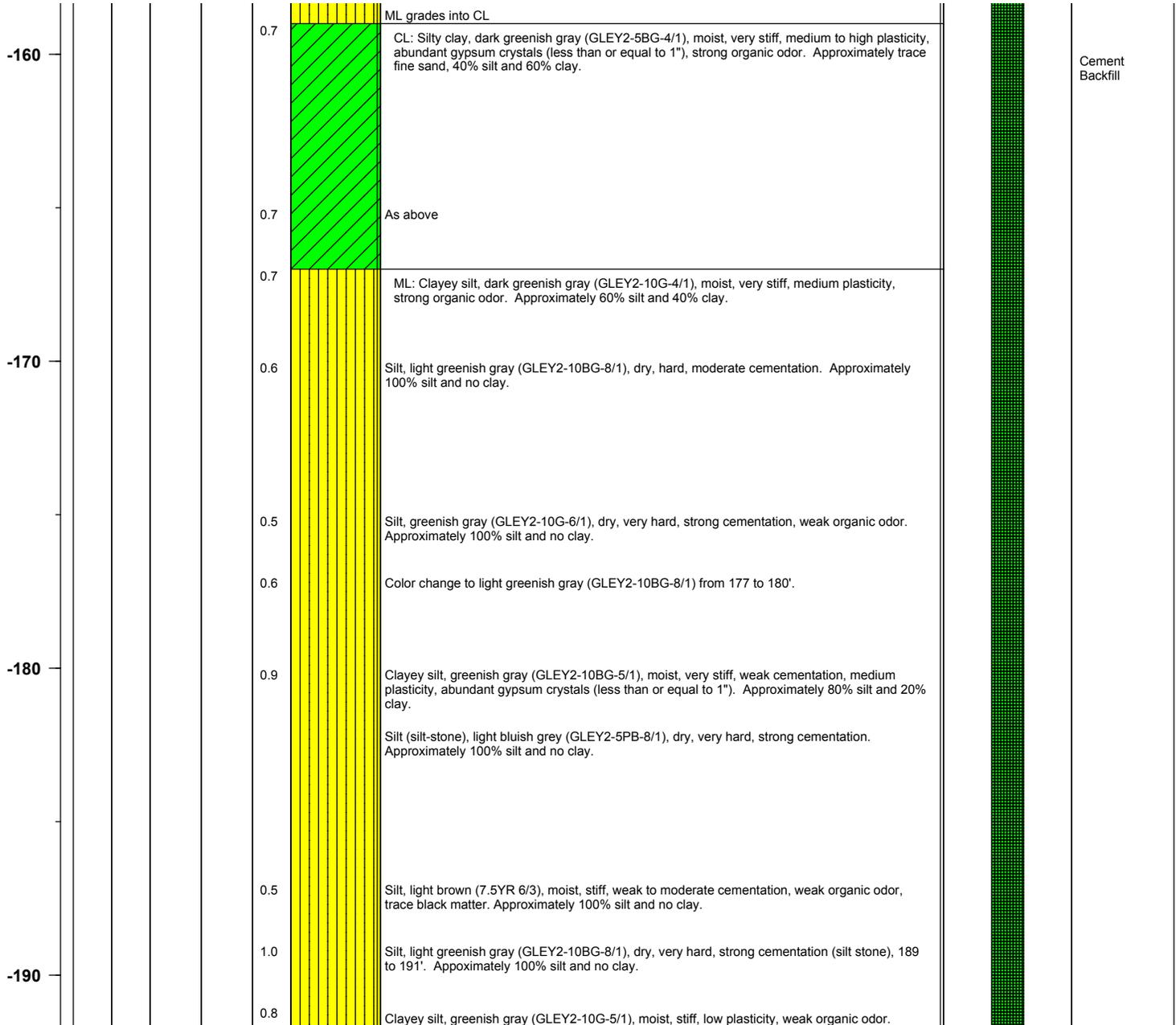


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							Approximately 70% silt and 30% clay.	
							Silt, dark greenish gray (GLE Y2-5BG-4/1), dry, hard, moderate cementation, abundant gypsum crystals. Approximately 100% silt and no clay.	
							Silt, moist, stiff, no cementation from 194 to 195'. Approximately 100% silt and no clay.	
							Silt, light greenish gray (GLE Y2-10BG-7/1), dry, very hard, strong cementation (silt stone 196-197'). Approximately trace fine sand, 80% silt, and 20% clay.	
							Clayey silt, greenish gray (GLE Y2-5BG-5/1), moist, very stiff, low plasticity, weak cementation, moderate organic odor. Approximately 90% silt and 10% clay.	
-200							Silt with clay, greenish gray (GLE Y2-5BG-5/1), dry, hard, weak cementation from 200 to 207'. Approximately 90% silt and 10% clay.	
							Silt, brown (7.5YR 5/4), dry, hard, moderate cementation, beds of strong cementation. Approximately 100% silt and no clay.	
-210								
							Silt with clay, brown (7.5YR 4/2), moist, very stiff, low plasticity, trace weak cementation. Approximately trace fine sand, 90% silt and 10% clay.	
							Silt with clay, brown (7.5YR 4/2), moist, very stiff, low plasticity, abundant gypsum crystals. Approximately trace fine sand, 90% silt and 10% clay.	
-220								
							Silt with clay, brown (7.5YR 4/2), moist, stiff, low plasticity, strong light gray cementation within matrix. Approximately trace fine sand, 90% silt and 10% clay.	
								Cement Backfill





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-260					1.3		Silt, brown (7.5YR 4/2), moist, very stiff, nonplastic, trace-moderate cementation, abundant gypsum crystals. Approximately 100% silt and no clay.		Cement Backfill
					1.1		Silt with clay, brown (7.5YR 4/2), moist, stiff, low plasticity, abundant gypsum crystals (less than or equal to 1"), no cementation. Approx. 90% silt and 10% clay. Total depth of boring at 266' bgs.		