

Log of Boring No. BRC-SB-19-A

BMI Site - Hydrogeologic Characterization

Henderson, Nevada



Drilling Method: Rotary Sonic
Drilling Equipment: Rotosonic
Drilling Contractor: Prosonic Corporation
Driller: Don Youngblood

Borehole Total Depth: 98.5 ft bgs
Borehole Diameter: 8.5 in
Boring Location: Location 19 (Well ID: AA-19)
Depth to Water (ft. bgs): 30 ft bgs

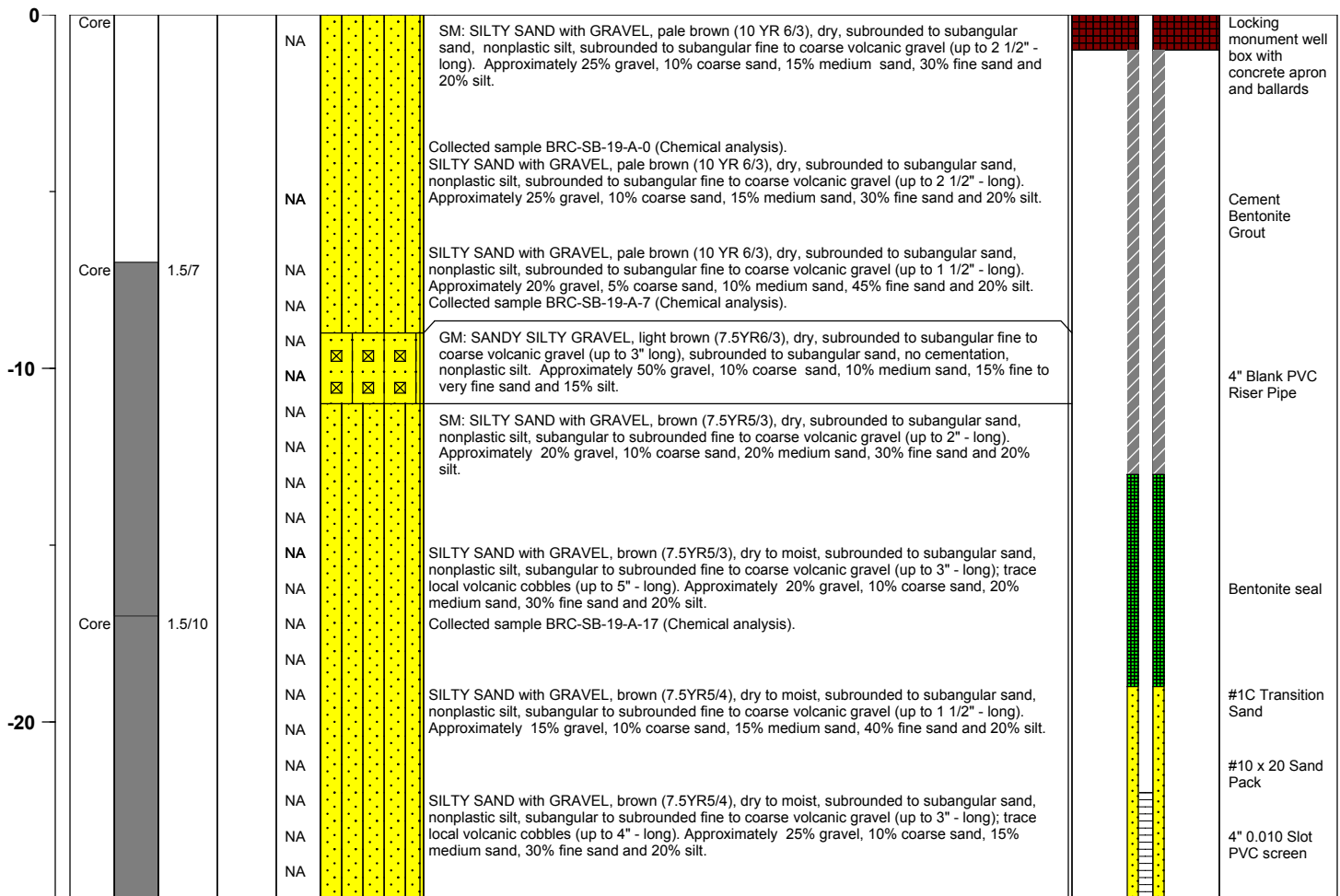
Sample Type: Split spoon
Sample Interval: Continuous

Logged By: Adam Norris
Date Started: 7/8/04
Date Completed: 7/9/04

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):	22 ft bgs
Screen Type/Size:	4" Sch 80 PVC	Bottom of Screen (ft. bgs):	42 ft bgs
Transition Sand Type:	N/A	Type of Sand Pack:	#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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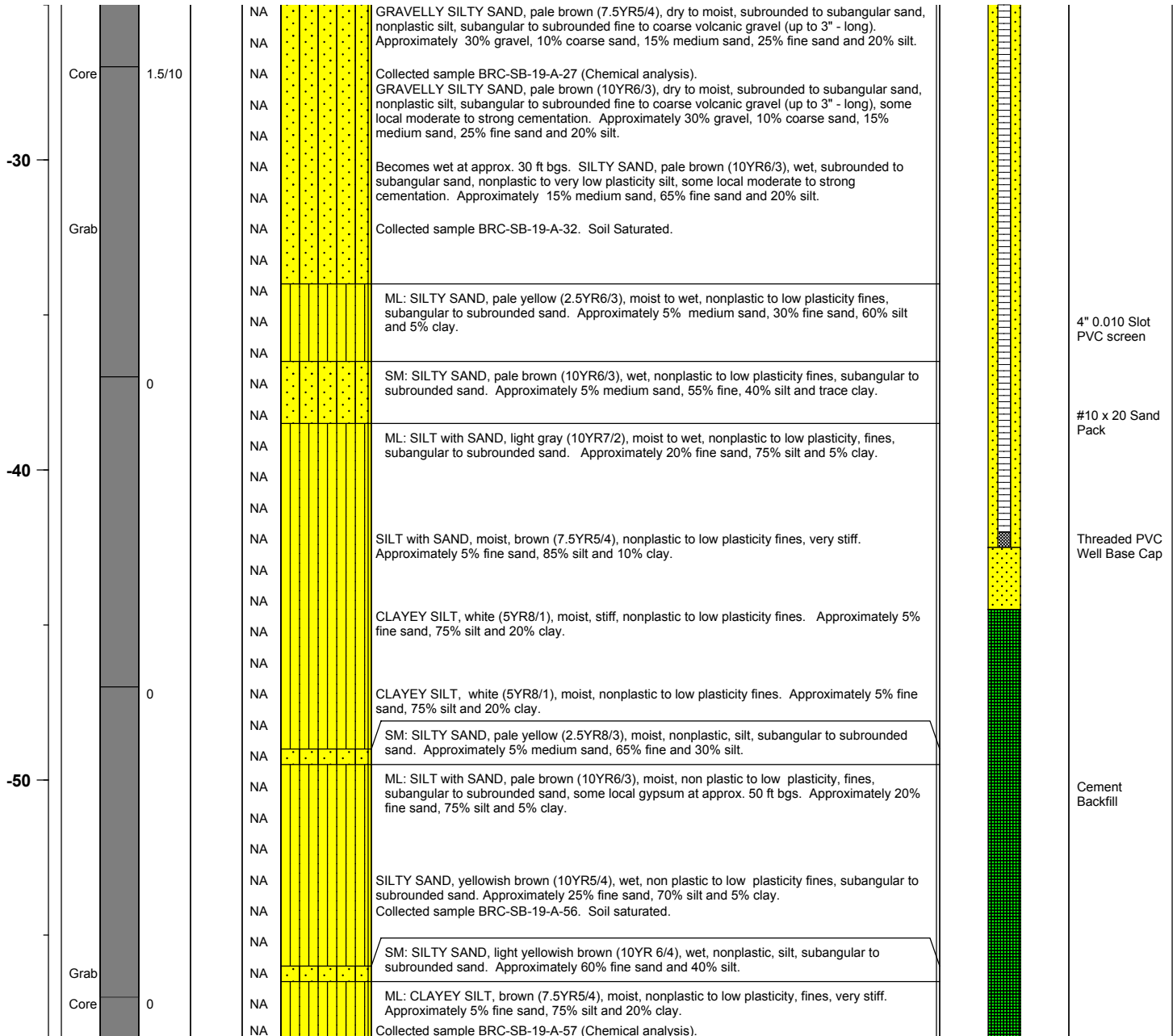
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-60					NA			
					NA		Abundant gypsum content at 60 to 61 ft. bgs.	
					NA			
					NA		CLAYEY SILT, brown (7.5YR5/4), moist, nonplastic to low plasticity fines, very stiff to hard. Approximately 80% silt and 20% clay.	
					NA			
					NA		CLAYEY SILT, brown (7.5YR5/4), moist, nonplastic to low plasticity fines. Approximately 85% silt and 15% clay.	
					NA			
					NA		CLAYEY SILT, yellowish brown (10YR5/4), moist, nonplastic to low plasticity fines, very stiff to hard. Approximately 85% silt and 15% clay.	
-70					NA			
					NA		CLAYEY SILT, brown (10YR5/3), moist, nonplastic to low plasticity fines, hard. Approximately 5% fine sand, 80% silt and 15% clay.	
					NA			
					NA		SILTwith CLAY, brown (10YR5/3), moist, nonplastic to low plasticity fines, very stiff, subangular to subrounded sand, trace local gypsum. Approximately 10% fine sand, 80% silt and 10% clay.	
	Grab	1.5/20			NA		Light gray (2.5Y7/2) at 77' to 79' bgs. Collected sample BRC-SB-19-A-77 (Chemical analysis).	
					NA		Yellowish brown (10YR5/4) at 79' to 79.8' bgs	
-80	Grab				NA		SM: SILTY SAND, yellowish brown (10YR5/4), wet, nonplastic, silt, subangular to subrounded sand. Approximately 70% fine sand and 30% silt.	
					NA		ML: CLAYEY SILT, brown (7.5YR5/3), moist, hard, nonplastic to low plasticity fines. Approximately 5% fine sand, 75% silt and 20% clay.	
					NA		Collected sample BRC-SB-19-A-80. Soil saturated.	
					NA			
					NA		CLAYEY SILT, brown (7.5YR5/4), moist, hard, nonplastic to low plasticity fines. Approximately trace fine sand, 80% silt and 20% clay.	
					NA			
		1.5/10			NA		CLAYEY SILT, greenish gray (5GY5/1), moist, very stiff, nonplastic to low plasticity fines. Approximately 80% silt and 20% clay.	
-90					NA			
					NA			
					NA			

Cement
Backfill

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Core	0	NA	CLAYEY SILT, greenish gray (5GY5/3), moist, very stiff, nonplastic to low plasticity fines. Approximately 80% silt and 20% clay.	Cement Backfill
		NA		
		NA		
		NA		
		NA		
			CLAYEY SILT, greenish gray (5GY5/3), moist, very stiff, nonplastic to low plasticity fines. Approximately 80% silt and 20% clay. Collected sample BRC-SB-19-A-97 (Chemical analysis).	

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