

# Log of Boring No. BRC-SB-05-B

## BMI Site - Hydrogeologic Characterization

### Henderson, Nevada



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

**Borehole Total Depth:** 237 ft bgs  
**Borehole Diameter:** 8.5 in  
**Boring Location:** Location 5 (Well ID: MCF-05)  
**Depth to Water (ft. bgs):** 223 ft bgs

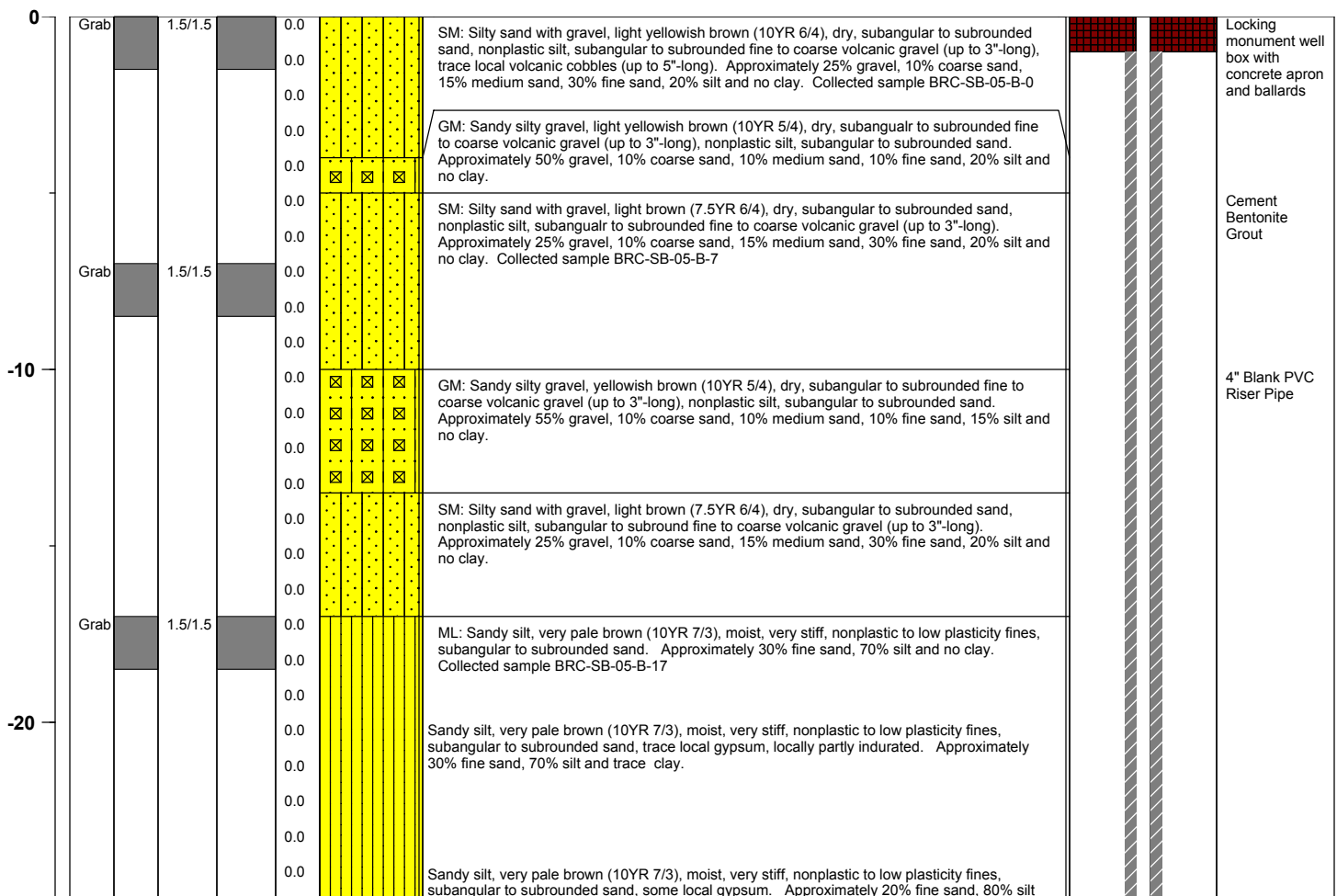
**Sample Type:** Split spoon (2" ID)  
**Sample Interval:** Varies

**Logged By:** Adam Norris  
**Date Started:** 7/12/04  
**Date Completed:** 7/13/04

**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>	221 ft bgs
<b>Screen Type/Size:</b>	4" Sch 80 PVC	<b>Bottom of Screen (ft. bgs):</b>	231 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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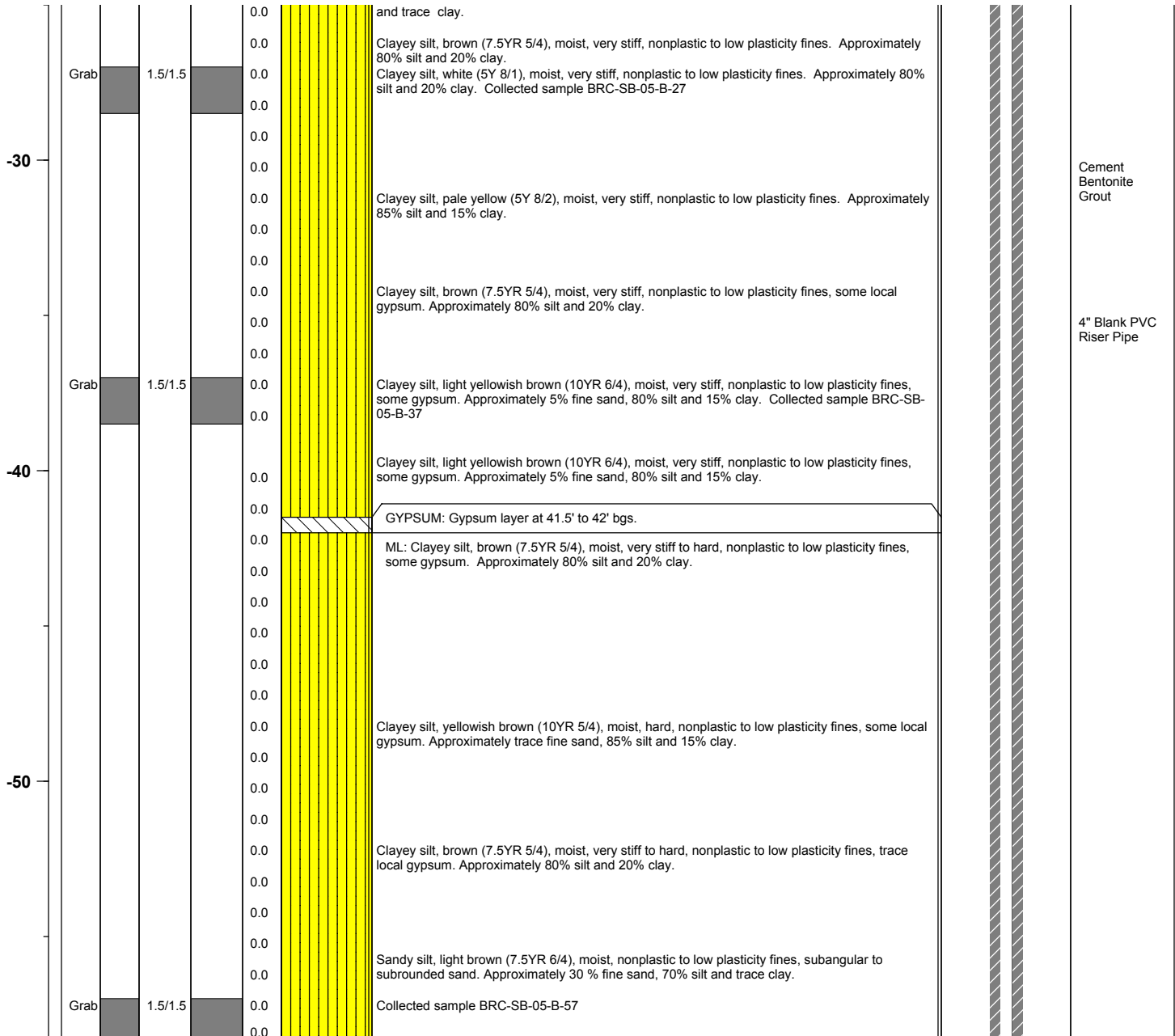
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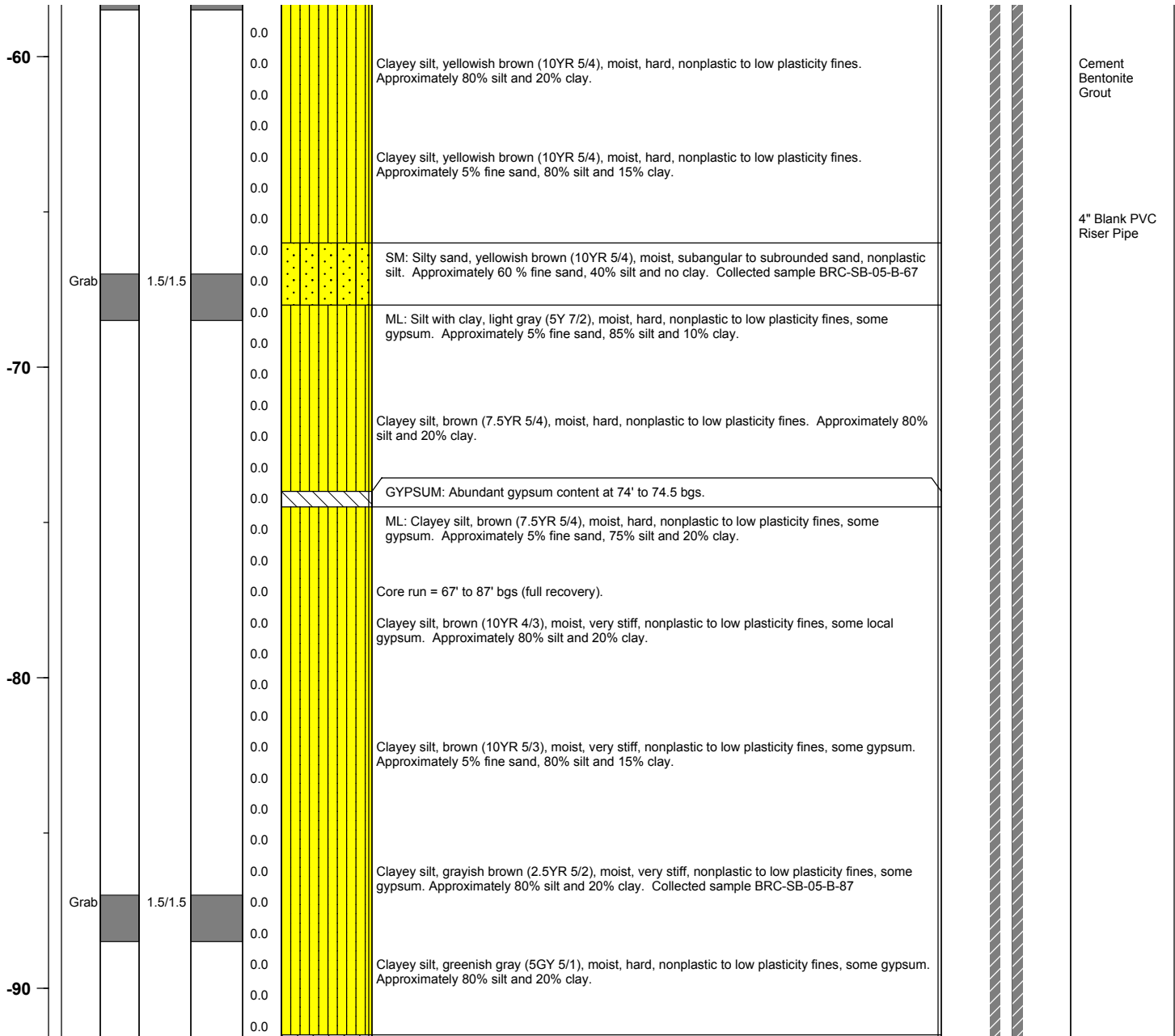
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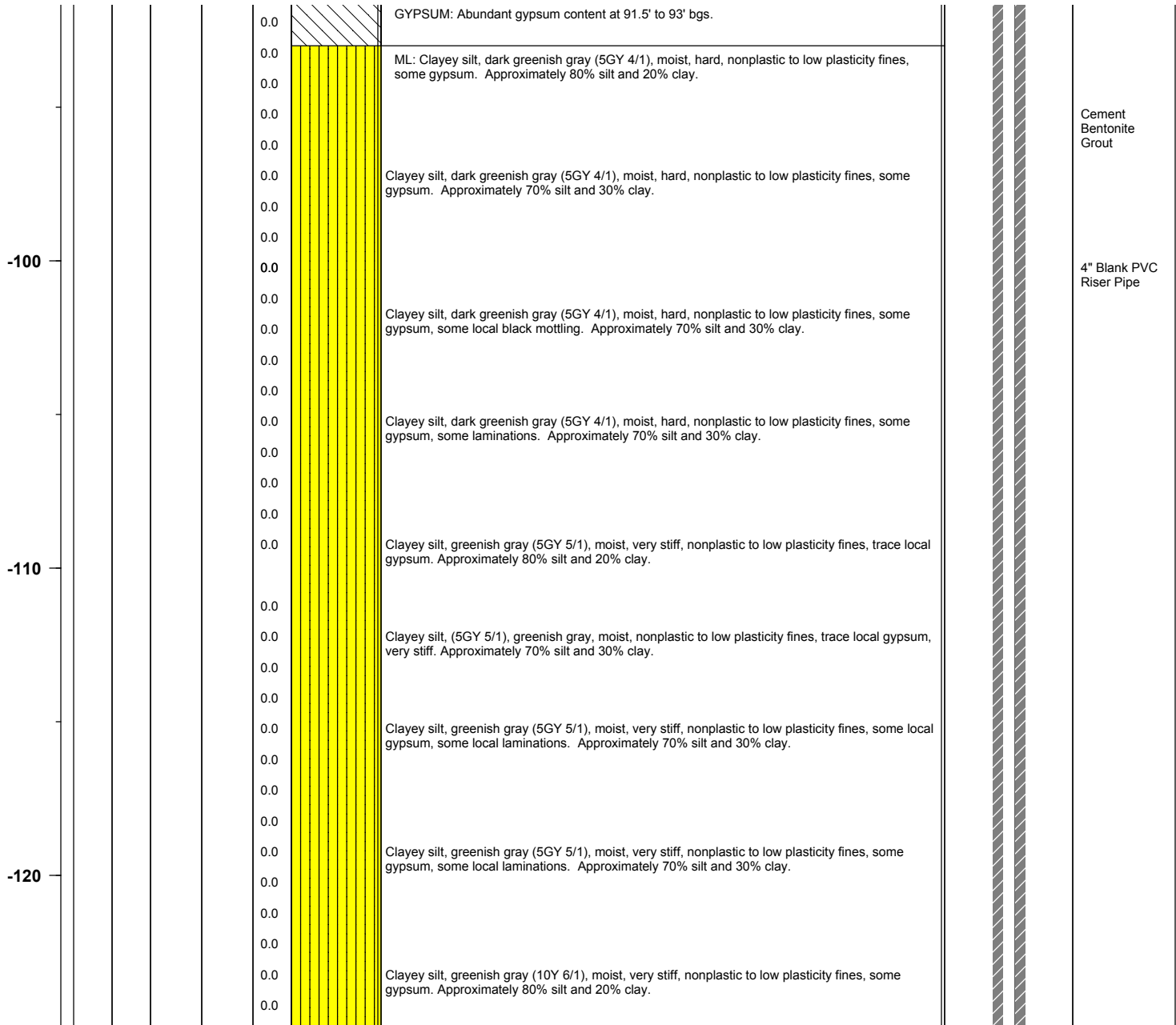
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## Henderson, Nevada



**Log of Boring No. BRC-SB-05-B**

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Henderson, Nevada



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Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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-160					0.0		Clayey silt, dark greenish gray (5GY 4/1), moist, hard, nonplastic to low plasticity fines, some gypsum. Becomes brown (7.5YR 5/3) at 160' bgs. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
					0.0		Clayey silt, brown (7.5YR 5/4), moist, hard, nonplastic to low plasticity fines, some local gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some local gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some local gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately trace fine sand, 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
					0.0		Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, trace gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
-190					0.0			

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-200							Clayey silt, brown (10YR 4/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 75% silt and 25% clay.	
							Clayey silt, dark yellowish brown (10YR 4/4), moist, hard, nonplastic to low plasticity fines, trace gypsum. Approximately 75% silt and 25% clay.	Cement Bentonite Grout
							Clayey silt, yellowish brown (10YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 5% fine sand, 75% silt and 20% clay.	4" Blank PVC Riser Pipe
							Clayey silt, brown (10YR 5/3), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately trace fine sand, 80% silt and 20% clay.	
-210							Clayey silt, yellowish brown (10YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
							Clayey silt, brown (7.5YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	Bentonite seal
							Clayey silt, brown (7.5YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	#10 x 20 Sand Pack
-220							Clayey silt, brown (10YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately trace fine sand, 80% silt and 20% clay.	4" 0.010 Slot PVC screen
	Grab	0.5/0.5					SM: Silty sand, grayish brown (2.5Y 5/2), wet, subangular to subrounded sand, nonplastic silt. Approximately 60% fine sand, 40% silt and no clay. Collected sample BRC-SB-05-B-224	

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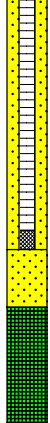
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-230					0.0			 <div>#10 x 20 Sand Pack</div> <div>4" 0.010 Slot PVC screen</div> <div>Threaded PVC Well Base Cap</div> <div>Cement Backfill</div>
					0.0			
					0.0		ML: Clayey silt, brown (7.5YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
					0.0		Clayey silt, yellowish brown (10YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Approximately 80% silt and 20% clay.	
					0.0			
					0.0			
					0.0			
					0.0		Clayey silt, yellowish brown (10YR 5/4), moist, hard, nonplastic to low plasticity fines, some gypsum. Abundant gypsum content at 235.5' to 236' bgs. Approximately trace fine sand, 80% silt and 20% clay.	
					0.0			

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