Log of Boring No. BRC-SB-08-B

BMI Site - Hydrogeologic Characterization



Drilling Method: Rotary Sonic **Drilling Equipment:** Rotary Sonic

Drilling Contractor: Prosonic Corporation

Driller: Gerald Sealy

Sample Type: Rotosonic

Borehole Total Depth: 400 ft bgs

Borehole Diameter: 9.5"

Boring Location: Location 8 (Well ID: MCF-08B)

Depth to Water (ft. bgs): NA

Monitoring Well Construction

Type of Surface Seal:

Bentonite Grout 4" Sch 80 PVC

Screen Slot Size: Top of Screen (ft. bgs): 0.010 in

Logged By: Adam Norris **Date Started:** 5/10/2004

Sample Interval Continuous

Blank Casing Type/Size: Screen Type/Size:

4" Sch 80 PVC

Bottom of Screen (ft. bgs):

107.5 ft bgs 137.5 ft bgs

Basic Remediation

Date Completed: 5/20/2004

Transition Sand Type:

N/A

Type of Sand Pack:

#2 x 12

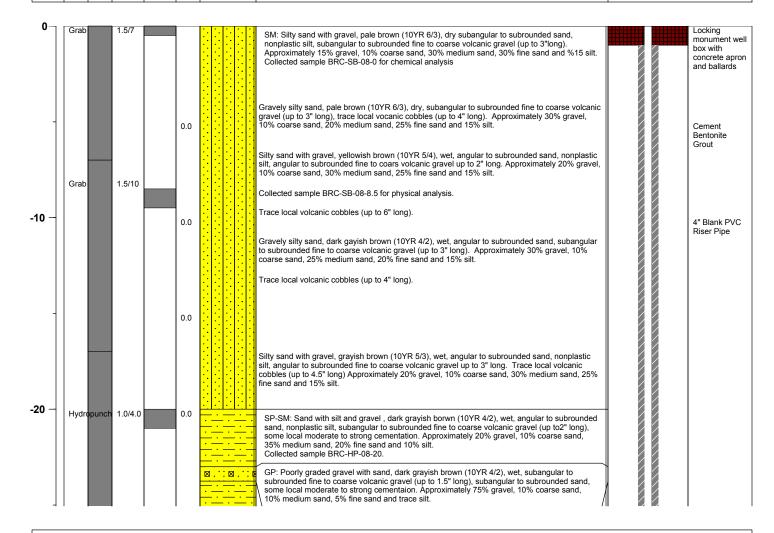
Sample Recovery Sample Retained Sample Interval Elevation (MSLD) Sample Type (feet)

Analysis ٥

Lithology

Soil Description

Well Construction



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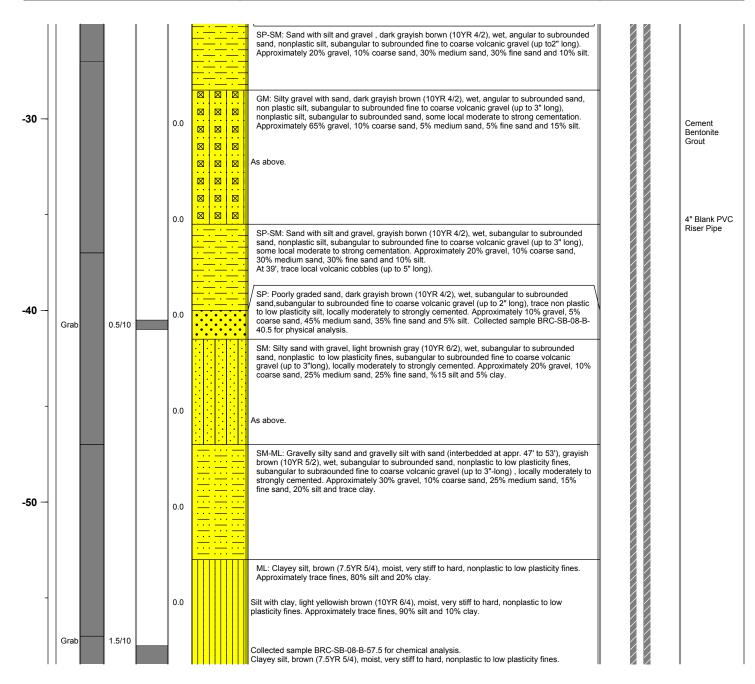
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Henderson, Nevada

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Henderson, Nevada

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Approximately trace meduim sand, 85% fine sand, and 15% silt. 0.5/10 0.0 Sandy silt, brown (7.5YR 5/4), wet, nonplastic to low plasticity fines. Approximately 35% fine sand and 65% silt. Clayey silt, brown (7.5YR 5/4), moist, very stiff to har nonplastic to low plasticity fines. Cement Approximately 5% fine sand, 80% silt and 15% clay. Bentonite Grout SM: Silty sand, pale brown (10YR 6/3), moist to very moist, subangular to subrounded sand, nonplastic to low plascticity fines. Approximately 65% fine sand and 35% silt. 0.0 ML: Silt with sand, brown (7.5YR 5/4), moist to dryt, hard, nonplastic to low plascticity fines. Approximately 15% fine sand, 80% silt and 5% clay Collected sample BRC-SB-08-B-87 for chemical analysis 1.5/10 Grab Collected sample BRC-SB-08-B-67.5 for chemical analysis. Silt with sand, brown (7.5YR 5/4), moist to very moist, very stiff, nonplastic to low plasticity fines. 4" Blank PVC Approximately 15% meduim sand, 80% fine sand, and 5% silt. Riser Pipe -70 Silt with sand, brown (7.5YR 5/4), moist to very moist, very stiff, nonplastic to low plasticity fines, 0.0 locally partially indurated. Approximately 15% fine sand, 80% silt, and 5% clay. Sandy silt, brown (7.5YR 5/4), moist to very moist, very stiff, nonplastic to low plasticity silt, subangular to subrounded sand, locally partially indurated. Approximately 5% medium sand, 25% fine sand and 70% silt. 0.0 Sandy silt, brown (10YR 7/3), moist to very moist, very stiff, nonplastic to low plasticity silt, subangular to subrounded sand, locally partially indurated, trace local gypsum. Approximately 30% fine sand and 70% silts. Sandy silt, brown (10YR 5/2), moist, hard, nonplastic to low plasticity fines, subangular to subrounded sand. Approximately trace medium sand, 15% fine sand, 80% silt and 5% clay. -80 0.0 Sandy silt, brown (10YR 7/3), dry, hard, nonplastic to very low plasticity silt, subangular to subrounded sand, locally partially indurated, some local gypsum content. Approximately trace medium sand, 30% fine sand and 70% silts. Sandy silt, brown (10YR 5/3), moist, hard, nonplastic to very low plasticity silts, subangular to subrounded sand, partially indurated to weakly cemented, some local gypsum. Approximately trace medium sand, 30% fine sand and 70% silt. 0.0 Same as above SM: Silty sand, gray (10YR 5/1), wet, subangular to subrounded sand, nonplastic silt. Grab 1.5/10 Approximately 30% fine sand and 70% silt.
Collected BRC-SB-08-B-88 for grab satruated soil sample. ML: Interbedded clayey silt. Approximately 5% fine sand, 75% silt and 20% clay. SM: Silty sand, brown (7.5YR 5/4), moist, subangular to subrounded sand, very stiff to hard clayey silt, nonplastic to low plasticity fines, partly indurated clayey silt. Approximatley trace medium sand, 70% fine sand and 30% silt. -90 0.0 ML: Sandy silt.

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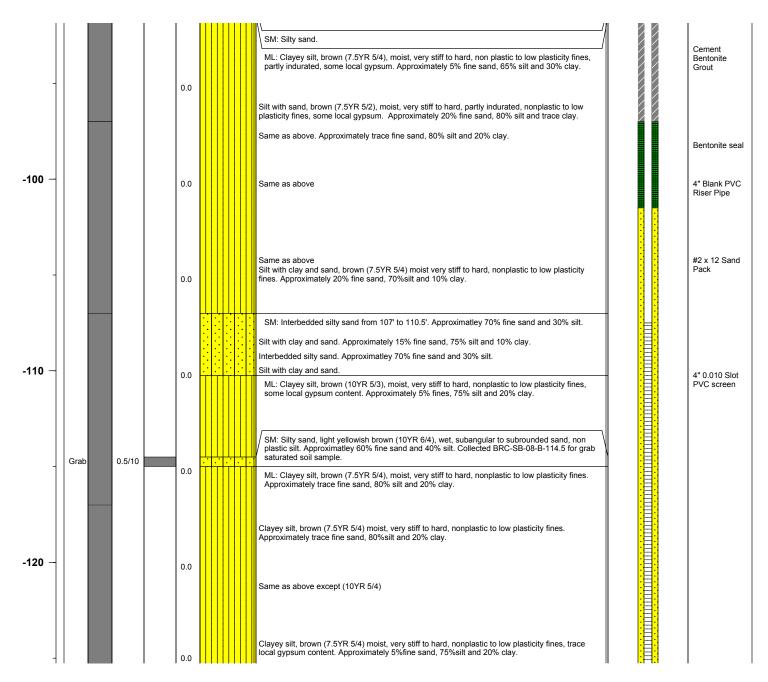




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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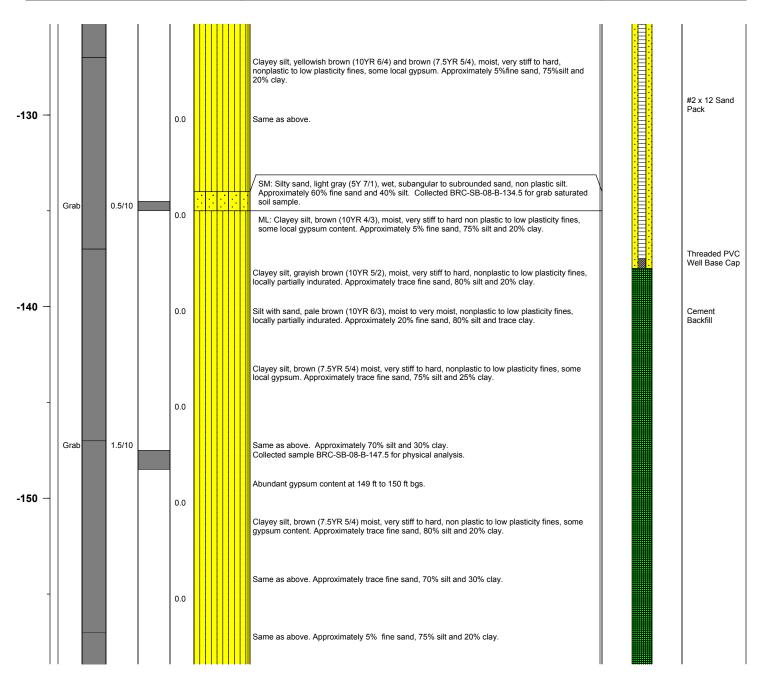




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Type	PB	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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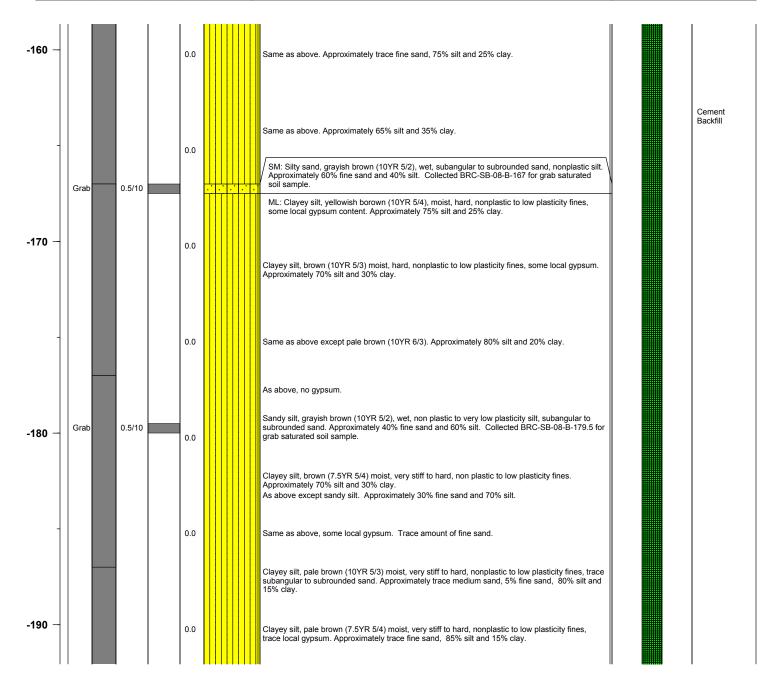




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Type	PB	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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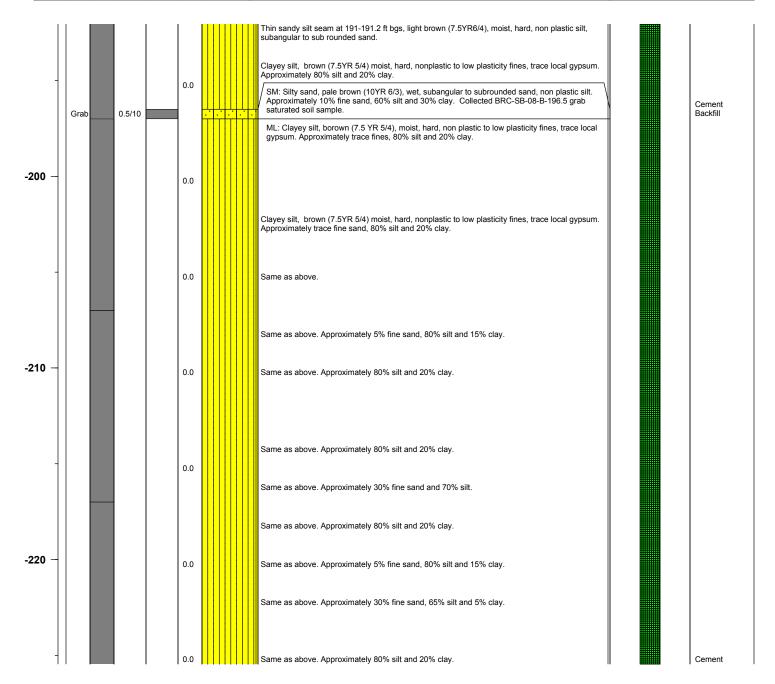




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction



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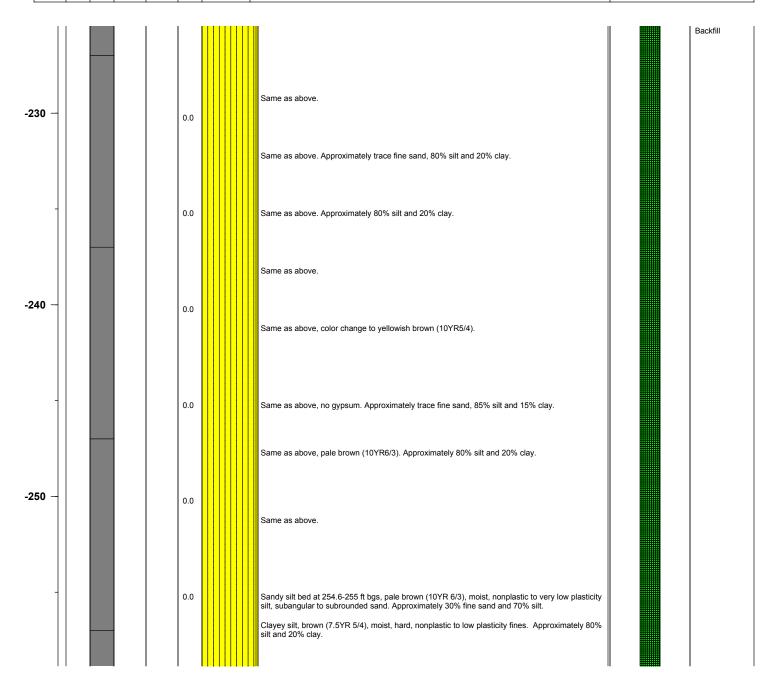




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

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Depth Elevation (MSLD)	<u>e</u>	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction



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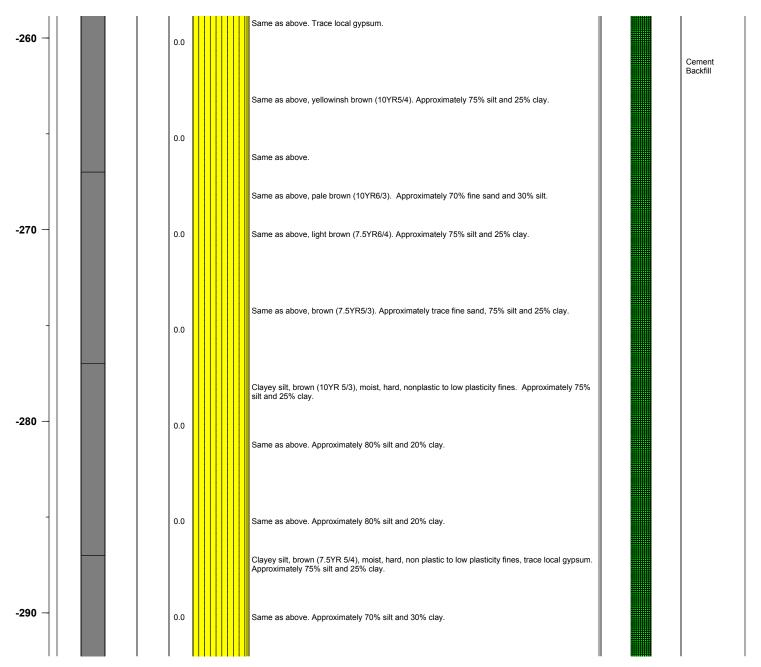




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Sample Type Sample Interval Sample Recovery (feet) Sample Recovery (feet) PID Lithology Lithology



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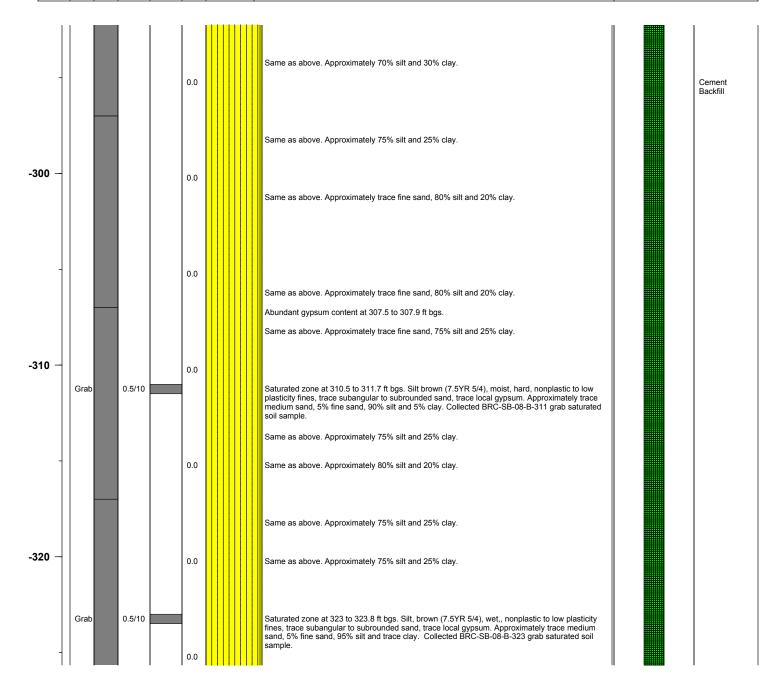




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction



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Henderson, Nevada

Log of Boring No. BRC-SB-08-B

Depth Elevation (MSLD)	Sample Type	Sample Interval	Sample Recovery (feet)	Sample Retained for Analysis	PID	Lithology	Soil Description	Well Construction
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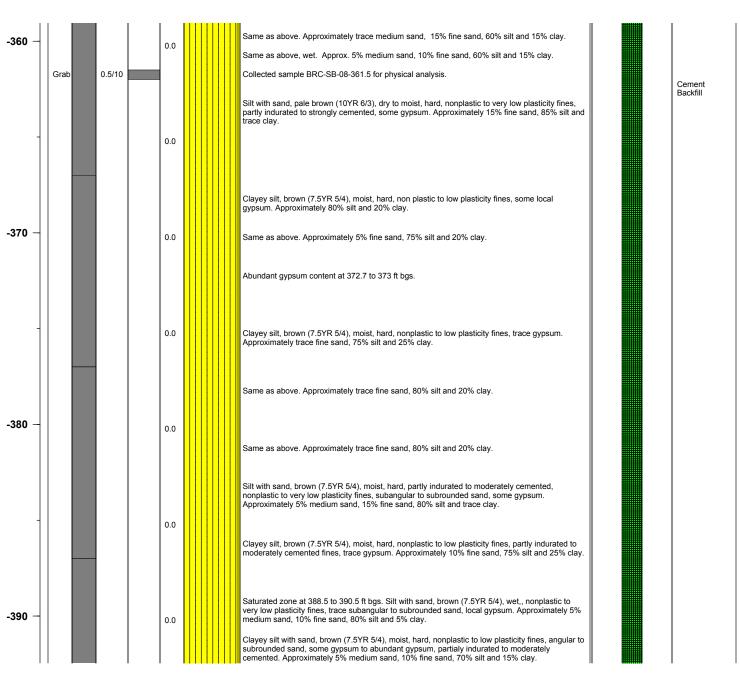




Henderson, Nevada

Log of Boring No. BRC-SB-08-B

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Depth Elevation (MSLD)	Sample Type	Sample Interval	≥	ue "	PID	Lithology	Soil Description	Well Construction



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Log of Boring: BRC-SB-08-B

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BMI Site - Hydrogeologic Characterization Basic Remediation Log of Boring No. BRC-SB-08-B Henderson, Nevada Sample Recovery (feet) Sample Retained for Analysis Depth Elevation (MSLD) Sample Interval Sample Type Lithology **Well Construction Soil Description** 0.0 Wet zone at approximately 395 tp 395.5 ft bgs. Clayey silt with sand, brown (7.5YR 5/4), moist, hard, nonplastic to low plasticity fines, angular to subrounded sand, some gypsum to abundant gypsum, localy partially indurated. Approximately 5% medium sand, 10% fine sand, 70% silt and 15% clay. Cement Backfill

Same as above. Approximately 5% fine sand, 75% silt and 20% clay.

Project No. 3850360 Log of Boring: BRC-SB-08-B



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