



# Pressure Grouting Log

Date: 12/17/2013

<b>Project Name:</b> <b>Project Location:</b> <b>Project Owner:</b> <b>Contract:</b> <b>General Contractor:</b> <b>Grouting Contractor:</b>				<b>Hole ID:</b> D021T		<b>Stage:</b> 2 of			
				<b>Interval (ft):</b> to		<b>Page:</b> 1 of			
				<b>Gage Height, H<sub>G</sub> (ft):</b> -8		<b>Inclination, θ (°):</b> 20			
				<b>Water Level, (ft):</b> 18		<b>Direction:</b> Left			
				<b>Length Through Soil to Rock (ft):</b> 7					
				<b>Total Length of Grout Hole (ft):</b> 24					
<b>Grout Property</b>	<b>Mix A</b>	<b>Mix B</b>	<b>Mix C</b>	<b>Shortest Distance to Stage:</b> Vertical Depth					
Marsh (sec)	37	54	100	<b>Distance to Stage Center (ft):</b>					
Specific Gravity	1.38	1.48	1.50	<b>Rule for Applying Pressure to Soil:</b> 0.5 psi/ft					
LB Cement / gal	4.50	5.95	6.14	<b>Rule for Applying Pressure to Rock:</b> 1.0 psi/ft					
Yield (gal)	41.8	47.4	45.9	<b>Max Target Effective Pressure, P<sub>E,MAX</sub>:</b> psi					
<b>Hydrostatic Column Pressure, P<sub>C</sub> (psi):</b>				Mix A		Mix B		Mix C	
<b>Static Line Resistance at 0 Flow P<sub>LS</sub> (psi):</b>				Mix A	0.7	Mix B	4.4	Mix C	19.4
<b>Max Header Pressure at 0 Flow, P<sub>H,MAX</sub> (psi):</b>				Mix A		Mix B		Mix C	
<b>Contractor Rep:</b> <b>Schnabel Rep(s):</b>									
<b>Start Time Filling Stage:</b>			<b>Stage Volume (gal):</b>			<b>Volume Used to Fill Stage (gal):</b>			
<b>Start Time Pressurizing:</b>			<b>Stop Time:</b>			<b>Start Mix:</b>		<b>Stage Type:</b>	
<b>Was this stage interval water pressure tested?</b>					<b>Maximum Water Test Lugeon:</b>				
Mix	Time (hhmm)	Elapsed Time (min)	Header Pressure P <sub>H</sub> (psi)	Flow (gpm)	Line Loss P <sub>L</sub> (psi)	Effective Pressure P <sub>E</sub> (psi)	Apparent Lugeon L <sub>u,app</sub>	Total Volume (gal)	Remarks
<b>Totals:</b>		Mix A:			Mix B:			Mix C:	
		Total Cement:			Volume Injection:			Total Grout Time:	
<b>Comments:</b>									