

Monitoring Well Network Project Peace Region, British Columbia, Canada		EERI-12	
Energy and Environment Research Initiative Dept of Earth, Oceans, & Atmospheric Sciences University of British Columbia		Date Drilled : 7/3/2019 Location : North Fort St. John, BC Equipment : Boart Longyear LS600 Sonic Track Logged By : Max Goetz Sampled By : Andrew Allen, Alex Nott	
Drilled By : Omega Environmental Drilling Sonic (O.D. = 15.24 cm) : 0-26.2 m Air Rotary (O.D. = 12.7 cm) : 26.2-38.1 m			
Depth in Meters	Water Info	Well: 3" PVC, 0.020 slot Grout Bent. Chips Sand Pack Screen 15-20gpm	GRAIN SIZE & LITHOLOGY gravel sand silt clay DESCRIPTION Topsoil. Organic rich soil with loamy clay. Silty fine sand diamict, fining to clayey silt diamict. Light brown, matrix that fines downward. 25-30% clasts, mostly granules/pebbles, but coarsens to cobble size with depth (angular shale chips). Strong iron oxidation in clasts. Lots of strongly oxidized medium sandstone clasts (angular). Fine sandstone with shale interbeds. 80-20 split in terms of fine sandstone vs shale. Hard to see interlayer width due to pulverisation from sonic. Strongly iron oxidized zone. Shale with fine sandstone interbeds. 90-10 split of shale with fine sandstone. Large drop in iron oxidation, only minor oxidation seen in fine sand interbeds (1cm). Dark shale with fissile parting. Fine sandstone with shale interbeds. Shale. Black, clayey, fissile chips. Fine sandstone with shale interbeds. Minor iron oxidation.