Battelle
Pacific Northwest Laboratories

Project Number

Internal Distribution

PA Eddy
FILE
LB

Date April 27, 1984

To PE Bramson

From PD Thorne LSP for PDT

Subject Monthly Report - April 1984

Installation of downhole pressure transducers in the piezometers at DC-19, 20 and 22 is continuing. Downhole pressures and temperatures within the nine piezometers at each site will be monitored by a single Hewlett-Packard 9826 computer. Water levels are also being measured daily using a steel tape.

During the past month I have been working on the piezometer installation report and analyzing data collected during airlift pumping of the piezometers. Each piezometer was pumped for 24 hours followed by a 24-hour recovery period. While pumping each piezometer, the pressure within other piezometers at the same site increased slightly and decreased when pumping was terminated. A longer pumping test was conducted using one of the piezometers at DC-19C to evaluate this phenomenon, which may have resulted from compression of the rock matrix.

PDT:gd