

PRESENTATION OF SITE INVESTIGATION RESULTS

Mount Polley Mine, Likely, BC

Prepared for:

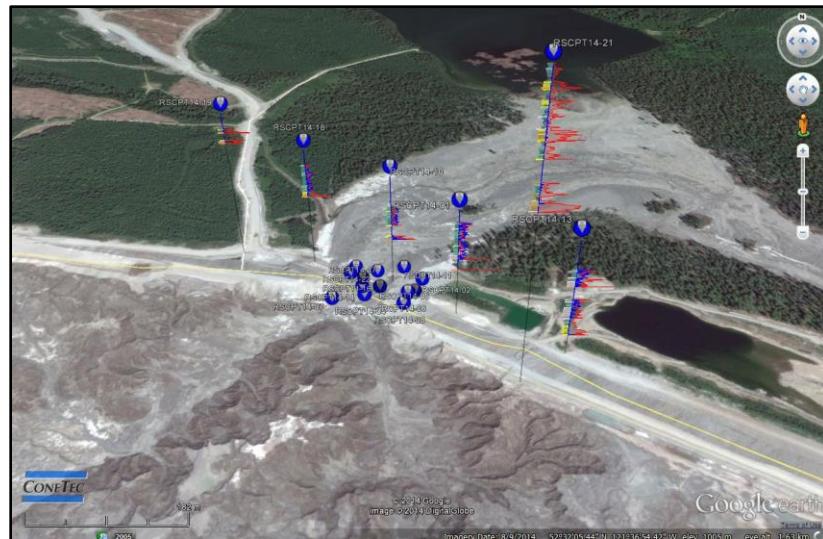
Mount Polley Mining Corporation

ConeTec Job No: 14-02091

Project Start Date: 01-Oct-2014

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Report Date: 04-Dec-2014



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Mount Polley Mine, Likely, BC

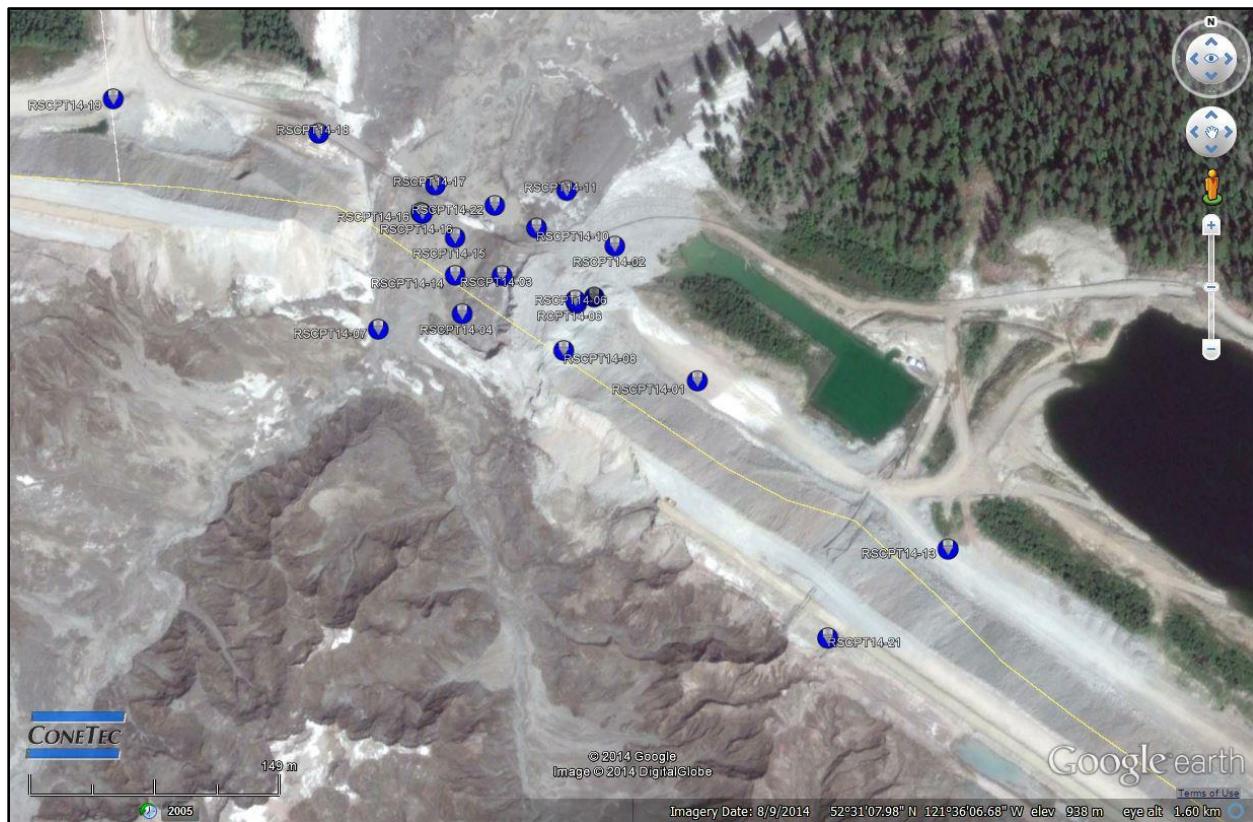
Introduction

The enclosed report presents the results of the site investigation program conducted by ConeTec Investigations Ltd. for Mount Polley Mining Corporation at Mount Polley Mine, Likely, BC. The program consisted of 20 Resistivity Seismic Cone Penetration Tests (RSCPTu), 1 Resistivity Cone Penetration Test (RCPTu), 10 electronic Vane Shear Tests (VST) and two boreholes with Standard Penetration Test Energy (SPTe) measurements.

Project Information

Project	
Client	Mount Polley Mining Corporation
Project	Mount Polley Mine, Likely, BC
ConeTec project number	14-02091

A map from Google earth including the CPT test locations is presented below.



Rig Description	Deployment System	Test Type
Portable ramset	14 ton cylinder mounted on a third party drill rig	RSCPT, RCPT, VST, SPTe

Mount Polley Mine, Likely, BC

Coordinates			
Test Type	Collection Method	EPSG Number	Comments
RSCPT, RCPT, VST	Surveyed Client provided	26910	Coordinates were provided by the client in a localized Tailings Grid datum which was noted to be similar to datum NAD83. Coordinates were uploaded to ConeTec Data Services in datum NAD83 UTM Zone 10 North as no transformation file was available.
RSCPT, VST, SPTe	Handheld GPS	26910	The specific locations that have handheld GPS coordinates are described in the respective test summary tables which are presented in the report and are provided in the data release folder. The elevations for these locations were assumed from an adjacent surveyed test that was provided by the client.

Cone Penetration Test (CPT)	
Depth reference	Existing ground surface at the time of the investigation.
Tip and sleeve data offset	0.1 meter This has been accounted for in the CPT data files
Additional plots	Elevation CPT plots are provided in the data release folder and are not presented in the report appendices.
Additional comments for location RSCPT14-06 (filename 14-02091_RS06)	The tip channel experienced a minor baseline shift somewhere along the profile due to unknown reasons. The shift was identified in the field, as well as during the data review process. The field operators were instructed to re-push the sounding which was named RCPT14-06 (filename 14-02091_RP06). The sleeve friction, dynamic pore pressure and seismic data recorded in the original sounding were not affected. Based on the review of the original data and the re-push, a minor shift was applied to the original tip data.

Cone Description	Cone Number	Cross Sectional Area (cm ²)	Sleeve Area (cm ²)	Tip Capacity (bar)	Sleeve Capacity (bar)	Pore Pressure Capacity (psi)
418:T1500F15U500	418	15	225	1500	15	500
All CPT tests were conducted with piezocene 418.						

Interpretation Tables	
Additional information	<p>The Soil Behaviour Type (SBT) classification chart (Robertson et al., 1986 presented by Lunne, Robertson and Powell, 1997) was used to classify the soil for this project.</p> <p>The CPT data exhibited excess pore pressures in materials that classified as sandy silt (zone 7) in the SBT chart. Zone 7 is usually treated as a drained material. At this site, calculations for both drained and undrained parameters were included for this zone as some layers were not behaving strictly as a drained material.</p>

Electronic Field Vane Shear Test	
Depth reference	Existing ground surface at the time of the investigation.
Load cell capacity	100 Nm
Additional comments for location VST14-03	<p>The test at depth 6.93m reached maximum capacity prior to achieving peak shear. The tests at depths 12.2m, 12.5m, 12.8m and 13.13m were all completed in a single push. The vane blade was noted to be damaged when it was brought back to ground surface. It is unknown where the blade was damaged during these tests. A damaged vane blade may compromise data quality. Photographs of the vane blade are provided in an appendix in the report and in the data release folder.</p>
Additional comments for location VST14-10	<p>The tests at depths 11.48m, 11.78m and 12.08m were all completed in a single push. The vane blade was noted to be damaged when it was brought back to ground surface. It is unknown where the blade was damaged during these tests. A damaged vane blade may compromise data quality. Photographs of the vane blade are provided in an appendix in the report and in the data release folder.</p>

Standard Penetration Test Energy Measurements	
Depth reference	Existing ground surface at the time of the investigation.
Reported blow counts	The reported blow counts in the tabular results were provided by the onsite client.

CONE PENETRATION TEST

The cone penetration tests (CPTu) are conducted using an integrated electronic piezocone penetrometer and data acquisition system manufactured by Adara Systems Ltd. of Richmond, British Columbia, Canada.

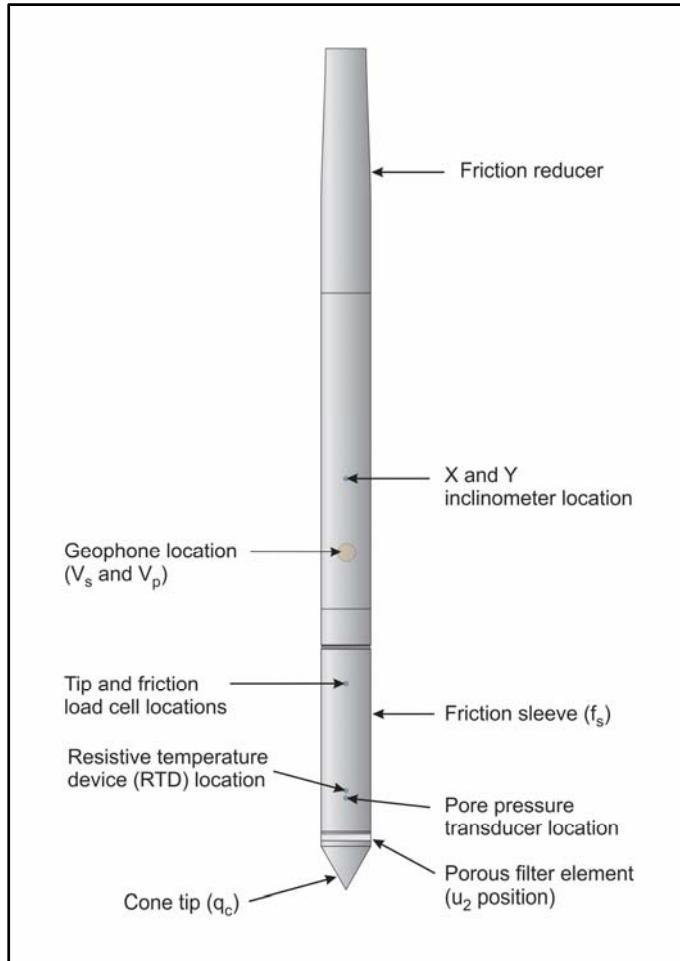
ConeTec's piezocone penetrometers are compression type designs in which the tip and friction sleeve load cells are independent and have separate load capacities. The piezocones use strain gauged load cells for tip and sleeve friction and a strain gauged diaphragm type transducer for recording pore pressure. The piezocones also have a platinum resistive temperature device (RTD) for monitoring the temperature of the sensors, an accelerometer type dual axis inclinometer and a geophone sensor for recording seismic signals. All signals are amplified down hole within the cone body and the analog signals are sent to the surface through a shielded cable.

ConeTec penetrometers are manufactured with various tip, friction and pore pressure capacities in both 10 cm² and 15 cm² tip base area configurations in order to maximize signal resolution for various soil conditions. The 15 cm² penetrometers do not require friction reducers as they have a diameter larger than the deployment rods. The 10 cm² piezocones use a friction reducer consisting of a rod adapter extension behind the main cone body with an enlarged cross sectional area (typically 44 mm diameter over a length of 32 mm with tapered leading and trailing edges) located at a distance of 585 mm above the cone tip.

The penetrometers are designed with equal end area friction sleeves, a net end area ratio of 0.8 and cone tips with a 60 degree apex angle.

All ConeTec piezocones can record pore pressure at various locations. Unless otherwise noted, the pore pressure filter is located directly behind the cone tip in the "u₂" position (ASTM Type 2). The filter is 6 mm thick, made of porous plastic (polyethylene) having an average pore size of 125 microns (90-160 microns). The function of the filter is to allow rapid movements of extremely small volumes of water needed to activate the pressure transducer while preventing soil ingress or blockage.

The piezocone penetrometers are manufactured with dimensions, tolerances and sensor characteristics that are in general accordance with the current ASTM D5778 standard. ConeTec's calibration criteria also meets or exceeds those of the current ASTM D5778 standard. An illustration of the piezocone penetrometer is presented in Figure CPTu.

Figure CPTu. Piezocone Penetrometer (15 cm²)

The ConeTec data acquisition systems consist of a Windows based computer and a signal conditioner and power supply interface box with a 16 bit (or greater) analog to digital (A/D) converter. The data is recorded at fixed depth increments using a depth wheel attached to the push cylinders or by using a spring loaded rubber depth wheel that is held against the cone rods. The typical recording intervals are either 2.5 cm or 5.0 cm depending on project requirements; custom recording intervals are possible. The system displays the CPTu data in real time and records the following parameters to a storage media during penetration:

- Depth
- Uncorrected tip resistance (q_c)
- Sleeve friction (f_s)
- Dynamic pore pressure (u)
- Additional sensors such as resistivity, passive gamma, ultra violet induced fluorescence, if applicable

All testing is performed in accordance to ConeTec's CPT operating procedures which are in general accordance with the current ASTM D5778 standard.

CONE PENETRATION TEST

Prior to the start of a CPTu sounding a suitable cone is selected, the cone and data acquisition system are powered on, the pore pressure system is saturated with either glycerine or silicone oil and the baseline readings are recorded with the cone hanging freely in a vertical position.

The CPTu is conducted at a steady rate of 2 cm/s, within acceptable tolerances. Typically one meter length rods with an outer diameter of 1.5 inches are added to advance the cone to the sounding termination depth. After cone retraction final baselines are recorded.

Additional information pertaining to ConeTec's cone penetration testing procedures:

- Each filter is saturated in silicone oil or glycerine under vacuum pressure prior to use
- Recorded baselines are checked with an independent multi-meter
- Baseline readings are compared to previous readings
- Soundings are terminated at the client's target depth or at a depth where an obstruction is encountered, excessive rod flex occurs, excessive inclination occurs, equipment damage is likely to take place, or a dangerous working environment arises
- Differences between initial and final baselines are calculated to ensure zero load offsets have not occurred and to ensure compliance with ASTM standards

The interpretation of piezocone data for this report is based on the corrected tip resistance (q_t), sleeve friction (f_s) and pore water pressure (u). The interpretation of soil type is based on the correlations developed by Robertson (1990) and Robertson (2009). It should be noted that it is not always possible to accurately identify a soil type based on these parameters. In these situations, experience, judgment and an assessment of other parameters may be used to infer soil behaviour type.

The recorded tip resistance (q_c) is the total force acting on the piezocone tip divided by its base area. The tip resistance is corrected for pore pressure effects and termed corrected tip resistance (q_t) according to the following expression presented in Robertson et al, 1986:

$$q_t = q_c + (1-a) \cdot u_2$$

where: q_t is the corrected tip resistance

q_c is the recorded tip resistance

u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)

a is the Net Area Ratio for the piezocone (0.8 for ConeTec probes)

The sleeve friction (f_s) is the frictional force on the sleeve divided by its surface area. As all ConeTec piezocones have equal end area friction sleeves, pore pressure corrections to the sleeve data are not required.

The dynamic pore pressure (u) is a measure of the pore pressures generated during cone penetration. To record equilibrium pore pressure, the penetration must be stopped to allow the dynamic pore pressures to stabilize. The rate at which this occurs is predominantly a function of the permeability of the soil and the diameter of the cone.

The friction ratio (R_f) is a calculated parameter. It is defined as the ratio of sleeve friction to the tip resistance expressed as a percentage. Generally, saturated cohesive soils have low tip resistance, high

CONE PENETRATION TEST

friction ratios and generate large excess pore water pressures. Cohesionless soils have higher tip resistances, lower friction ratios and do not generate significant excess pore water pressure.

A summary of the CPTu soundings along with test details and individual plots are provided in the appendices. A set of interpretation files were generated for each sounding based on published correlations and are provided in Excel format in the data release folder. Information regarding the interpretation methods used is included in an appendix.

For additional information on CPTu interpretations, refer to Robertson et al. (1986), Lunne et al. (1997), Robertson (2009), Mayne (2013, 2014) and Mayne and Peuchen (2012).

References

ASTM D5778-12, 2012, "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils", ASTM, West Conshohocken, US.

Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, "Cone Penetration Testing in Geotechnical Practice", Blackie Academic and Professional.

Mayne, P.W., 2013, "Evaluating yield stress of soils from laboratory consolidation and in-situ cone penetration tests", Sound Geotechnical Research to Practice (Holtz Volume) GSP 230, ASCE, Reston/VA: 406-420.

Mayne, P.W. and Peuchen, J., 2012, "Unit weight trends with cone resistance in soft to firm clays", Geotechnical and Geophysical Site Characterization 4, Vol. 1 (Proc. ISC-4, Pernambuco), CRC Press, London: 903-910.

Mayne, P.W., 2014, "Interpretation of geotechnical parameters from seismic piezocone tests", CPT'14 Keynote Address, Las Vegas, NV, May 2014.

Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, "Use of Piezometer Cone Data", Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.

Robertson, P.K., 1990, "Soil Classification Using the Cone Penetration Test", Canadian Geotechnical Journal, Volume 27: 151-158.

Robertson, P.K., 2009, "Interpretation of cone penetration tests – a unified approach", Canadian Geotechnical Journal, Volume 46: 1337-1355.

RESISTIVITY CONE PENETRATION TEST

Resistivity testing is performed in conjunction with piezocone penetration testing with the addition of a resistivity module in order to determine the electrical resistivity of the soil.

An illustration of the piezocone penetrometer and resistivity module is presented in Figure RES-CPTu.

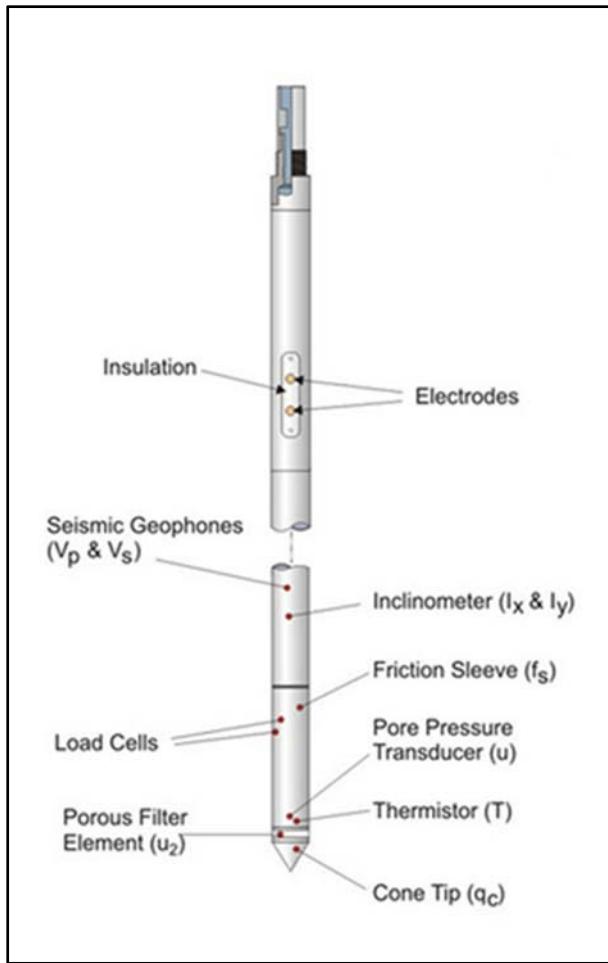


Figure RES-CPTu. Resistivity module and piezocone penetrometer

The module has two 6 mm diameter brass resistivity electrodes which are designed to be reasonably wear resistant and have high electrical conductivity. The small configuration of the electrodes provides excellent vertical resolution of resistivity changes. The insulation separating the electrodes from the cone is made of Delrin plastic.

The resistivity module measures the voltage drop across the electrodes in the soil at a given excitation current, which is proportional to the electrical resistivity of the soil. From the resultant potential difference between the electrodes a resistance is determined. A 1000 Hz source is used to avoid polarization of the electrodes. Polarization is the process where ions accumulate at the electrodes thus increasing the measured resistance.

Resistance is not a material property, it is a function of the electrode spacing and size. To convert from resistance to resistivity, a lab calibration is necessary. Resistivity modules are calibrated in a water tank with solutions of known resistivity. The resistance across the electrodes is measured in the various

RESISTIVITY CONE PENETRATION TEST

solutions and a calibration curve is generated. It is necessary to assume that the calibration factors determined in the homogeneous isotropic medium do not vary significantly as the cone is advanced into the ground through soil.

Prior to the start of a test, the procedures described in the cone penetration test section are followed and the resistivity module output is verified using various resistors. The resistivity measurements are recorded on a continuous basis at the same time as the tip, friction and pore pressure measurements. Due to the vertical offset between the cone tip and the electrodes, resistivity data is not available for the last 70 cm of each profile.

The resistivity of soil is for the most part influenced by the resistivity of the pore fluid, which in turn is a measure of the groundwater chemical composition. Electrical conduction in saturated sandy soils is largely by electrolytic conduction in the pore fluid whereas for clayey soils, ion exchange contributes significantly within the soil skeleton. Resistivity measurements will increase as the saturation of the soil decreases. For additional information on resistivity cone penetration testing, refer to Campanella and Weemees, 1990.

Resistivity CPTu plots are presented in the relevant appendix.

Reference

Campanella, R.G. and Weemees, I., 1990, "Development and Use of an Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5: 557-567.

SEISMIC CONE PENETRATION TEST

Shear wave velocity testing is performed in conjunction with the piezocone penetration test (SCPTu) in order to collect interval velocities. For some projects seismic compression wave (V_p) velocity is also determined.

ConeTec's piezocone penetrometers are manufactured with a horizontally active geophone (28 hertz) that is rigidly mounted in the body of the cone penetrometer, 0.2 meters behind the cone tip.

Shear waves are typically generated by using an impact hammer horizontally striking a beam that is held in place by a normal load. In some instances an auger source or an imbedded impulsive source maybe used for both shear waves and compression waves. The hammer and beam act as a contact trigger that triggers the recording of the seismic wave traces. For impulsive devices an accelerometer trigger may be used. The traces are recorded using an up-hole integrated digital oscilloscope which is part of the SCPTu data acquisition system. An illustration of the shear wave testing configuration is presented in Figure SCPTu-1.

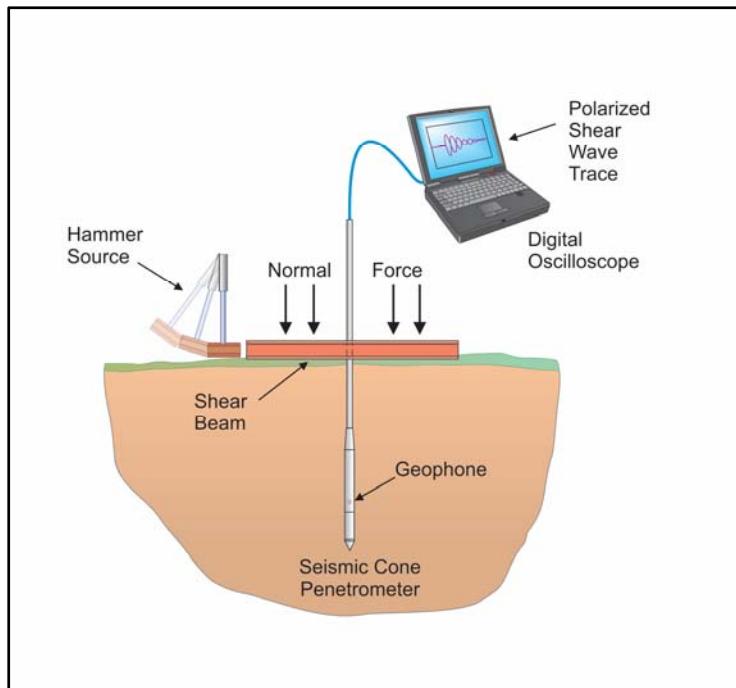


Figure SCPTu-1. Illustration of the SCPTu system

All testing is performed in accordance to ConeTec's SCPTu operating procedures.

Prior to the start of a SCPTu sounding, the procedures described in the Cone Penetration Test section are followed. In addition, the active axis of the geophone is aligned parallel to the beam (or source) and the horizontal offset between the cone and the source is measured and recorded.

Prior to recording seismic waves at each test depth, cone penetration is stopped and the rods are decoupled from the rig to avoid transmission of rig energy down the rods. Multiple wave traces are recorded for quality control purposes. After reviewing wave traces for consistency the cone is pushed to the next test depth (typically one meter intervals or as requested by the client). Figure SCPTu-2 presents an illustration of a SCPTu test.

SEISMIC CONE PENETRATION TEST

For additional information on seismic cone penetration testing refer to Robertson et.al. (1986).

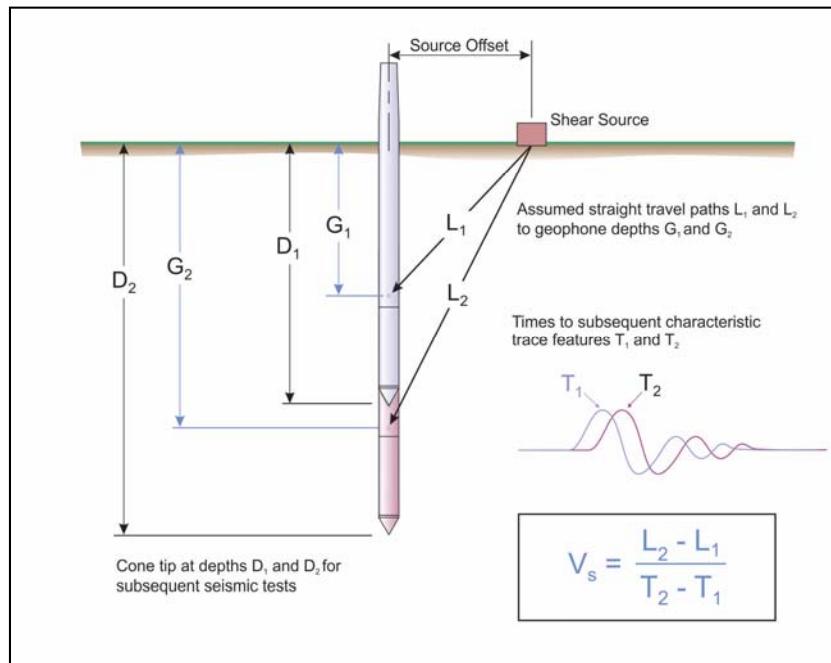


Figure SCPTu-2. Illustration of a seismic cone penetration test

Calculation of the interval velocities are performed by visually picking a common feature (e.g. the first characteristic peak, trough, or crossover) on all of the recorded wave sets and taking the difference in ray path divided by the time difference between subsequent features. Ray path is defined as the straight line distance from the seismic source to the geophone, accounting for beam offset, source depth and geophone offset from the cone tip.

The average shear wave velocity to a depth of 30 meters (V_{s30}) has been calculated and provided for all applicable soundings using an equation presented in Crow et al., 2012.

$$V_{s30} = \frac{\text{total thickness of all layers (30m)}}{\sum(\text{layer traveltimes})}$$

The layer travel times refers to the travel times propagating in the vertical direction, not the measured travel times from an offset source.

Tabular results and SCPTu plots are presented in the relevant appendix.

References

Crow, H.L., Hunter, J.A., Bobrowsky, P.T., 2012, "National shear wave measurement guidelines for Canadian seismic site assessment", GeoManitoba 2012, Sept 30 to Oct 2, Winnipeg, Manitoba.

Robertson, P.K., Campanella, R.G., Gillespie D and Rice, A., 1986, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8: 791-803.

PORE PRESSURE DISSIPATION TEST

The cone penetration test is halted at specific depths to carry out pore pressure dissipation (PPD) tests, shown in Figure PPD-1. For each dissipation test the cone and rods are decoupled from the rig and the data acquisition system measures and records the variation of the pore pressure (u) with time (t).

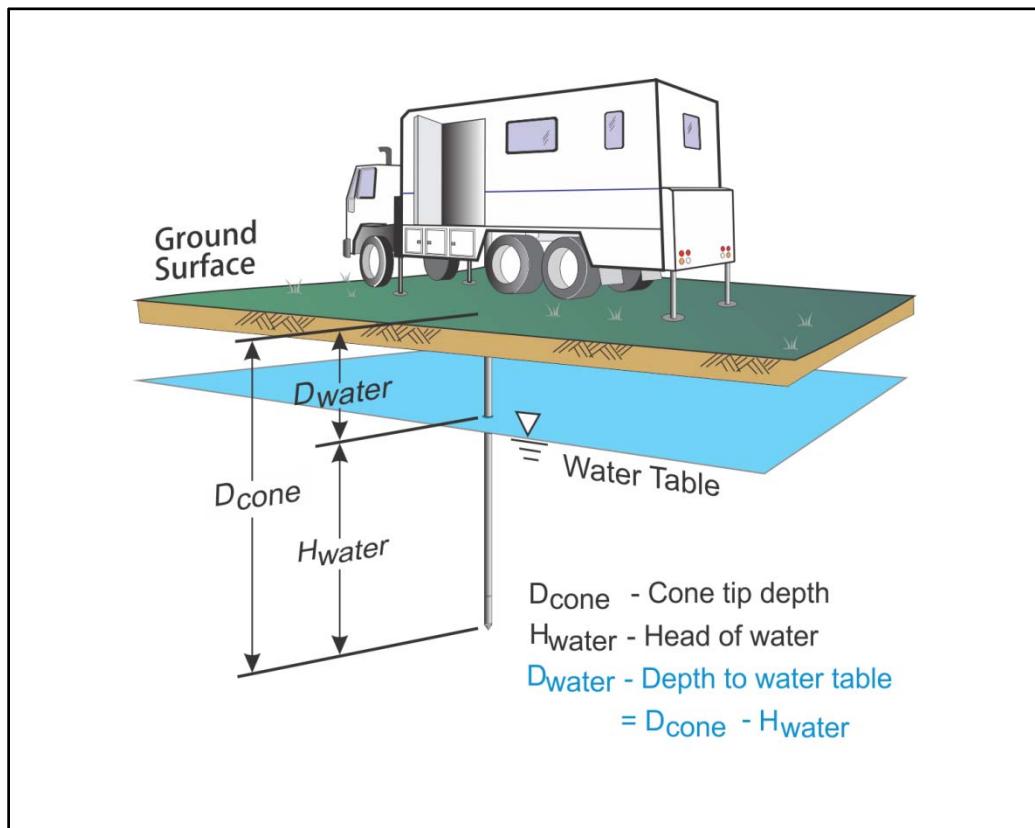


Figure PPD-1. Pore pressure dissipation test setup

Pore pressure dissipation data can be interpreted to provide estimates of ground water conditions, permeability, consolidation characteristics and soil behaviour.

The typical shapes of dissipation curves shown in Figure PPD-2 are very useful in assessing soil type, drainage, in situ pore pressure and soil properties. A flat curve that stabilizes quickly is typical of a freely draining sand. Undrained soils such as clays will typically show positive excess pore pressure and have long dissipation times. Dilative soils will often exhibit dynamic pore pressures below equilibrium that then rise over time. Overconsolidated fine-grained soils will often exhibit an initial dilatory response where there is an initial rise in pore pressure before reaching a peak and dissipating.

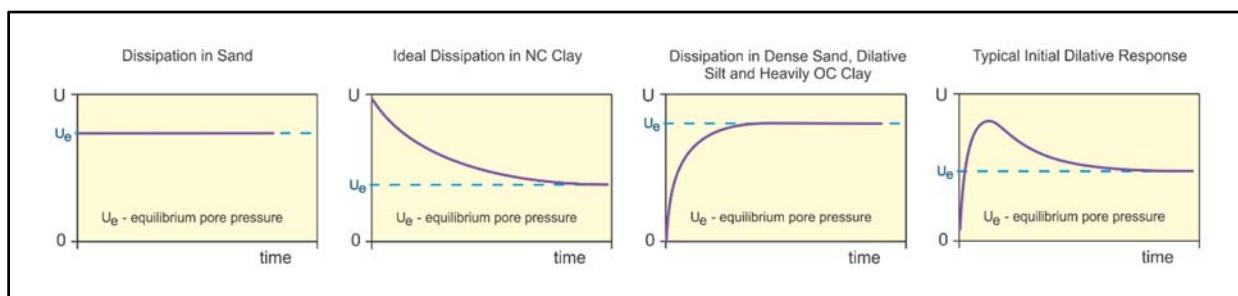


Figure PPD-2. Pore pressure dissipation curve examples

PORE PRESSURE DISSIPATION TEST

In order to interpret the equilibrium pore pressure (u_{eq}) and the apparent phreatic surface, the pore pressure should be monitored until such time as there is no variation in pore pressure with time as shown for each curve of Figure PPD-2.

In fine grained deposits the point at which 100% of the excess pore pressure has dissipated is known as t_{100} . In some cases this can take an excessive amount of time and it may be impractical to take the dissipation to t_{100} . A theoretical analysis of pore pressure dissipations by Teh and Housby (1991) showed that a single curve relating degree of dissipation versus theoretical time factor (T^*) may be used to calculate the coefficient of consolidation (c_h) at various degrees of dissipation resulting in the expression for c_h shown below.

$$c_h = \frac{T^* \cdot a^2 \cdot \sqrt{I_r}}{t}$$

Where:

T^* is the dimensionless time factor (Table Time Factor)

a is the radius of the cone

I_r is the rigidity index

t is the time at the degree of consolidation

Table Time Factor. T^* versus degree of dissipation (Teh and Housby, 1991)

Degree of Dissipation (%)	20	30	40	50	60	70	80
T^* (u_2)	0.038	0.078	0.142	0.245	0.439	0.804	1.60

The coefficient of consolidation is typically analyzed using the time (t_{50}) corresponding to a degree of dissipation of 50% (u_{50}). In order to determine t_{50} , dissipation tests must be taken to a pressure less than u_{50} . The u_{50} value is half way between the initial maximum pore pressure and the equilibrium pore pressure value, known as u_{100} . To estimate u_{50} , both the initial maximum pore pressure and u_{100} must be known or estimated. Other degrees of dissipations may be considered, particularly for extremely long dissipations.

At any specific degree of dissipation the equilibrium pore pressure (u at t_{100}) must be estimated at the depth of interest. The equilibrium value may be determined from one or more sources such as measuring the value directly (u_{100}), estimating it from other dissipations in the same profile, estimating the phreatic surface and assuming hydrostatic conditions, from nearby soundings, from client provided information, from site observations and/or past experience, or from other site instrumentation.

For calculations of c_h (Teh and Housby, 1991), t_{50} values are estimated from the corresponding pore pressure dissipation curve and a rigidity index (I_r) is assumed. For curves having an initial dilatory response in which an initial rise in pore pressure occurs before reaching a peak, the relative time from the peak value is used in determining t_{50} . In cases where the time to peak is excessive, t_{50} values are not calculated.

Due to possible inherent uncertainties in estimating I_r , the equilibrium pore pressure and the effect of an initial dilatory response on calculating t_{50} , other methods should be applied to confirm the results for c_h .

Additional published methods for estimating the coefficient of consolidation from a piezocone test are described in Burns and Mayne (1998, 2002), Jones and Van Zyl (1981), Robertson et al. (1992) and Sully et al. (1999).

A summary of the pore pressure dissipation tests and dissipation plots are presented in the relevant appendix.

References

- Burns, S.E. and Mayne, P.W., 1998, "Monotonic and dilatory pore pressure decay during piezocone tests", Canadian Geotechnical Journal 26 (4): 1063-1073.
- Burns, S.E. and Mayne, P.W., 2002, "Analytical cavity expansion-critical state model cone dissipation in fine-grained soils", Soils & Foundations, Vol. 42(2): 131-137.
- Jones, G.A. and Van Zyl, D.J.A., 1981, "The piezometer probe: a useful investigation tool", Proceedings, 10th International Conference on Soil Mechanics and Foundation Engineering, Vol. 3, Stockholm: 489-495.
- Robertson, P.K., Sully, J.P., Woeller, D.J., Lunne, T., Powell, J.J.M. and Gillespie, D.G., 1992, "Estimating coefficient of consolidation from piezocone tests", Canadian Geotechnical Journal, 29(4): 551-557.
- Sully, J.P., Robertson, P.K., Campanella, R.G. and Woeller, D.J., 1999, "An approach to evaluation of field CPTU dissipation data in overconsolidated fine-grained soils", Canadian Geotechnical Journal, 36(2): 369-381.
- Teh, C.I., and Housby, G.T., 1991, "An analytical study of the cone penetration test in clay", Geotechnique, 41(1): 17-34.

ELECTRONIC FIELD VANE SHEAR TEST

The electronic field vane system is manufactured by ConeTec Investigations Ltd. of Richmond, British Columbia, Canada. An illustration of the vane system is presented in Figure eVST.

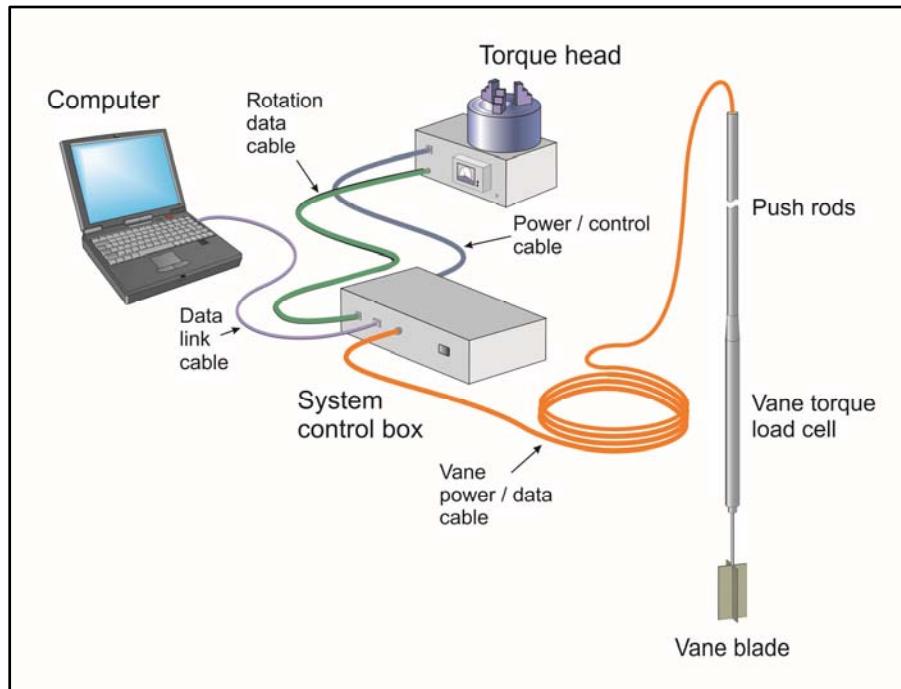


Figure eVST. Illustration of the downhole electronic field vane system

The vane system is designed with an array of strain gauges in a load cell that measure the applied torque above the vane blade. The torque signals are amplified and converted to digital data within the tool and are sent to the surface through a shielded cable. The system is designed to use vanes of various sizes and configurations that connect to the load cell with an extension rod. The vanes manufactured by ConeTec have dimensions and tolerances that are in general accordance with the current ASTM D2573 standards. In very soft soil conditions and at the request of the client, ConeTec may use a large diameter vane that exceeds the ASTM D2573 size specifications in order to maximize torque resolution.

The electric motor (capable of 100 Nm of torque) is designed to clamp onto and rotate the rods and vane at a constant rate.

ConeTec's calibration criteria of the load cells are in accordance with the current ASTM D2573 standard.

The data acquisition system consists of a computer that records the vane data every 0.2 degrees of rotation. The system records the following parameters and saves them to a file as the test is conducted:

- Torque in newton meters
- Rotation in degrees
- Elapsed time in seconds (from the start of the test)

All testing is performed in accordance to ConeTec's field vane testing operating procedures and in general accordance with the current ASTM D2573 standard. For additional information on vane shear testing refer to Greig et. al, (1987).

ELECTRONIC FIELD VANE SHEAR TEST

Prior to the start of a vane shear test profile, a suitable sized vane is selected, the vane system is powered on and the vane load cell baseline reading is recorded with the load cell hanging freely in a vertical position.

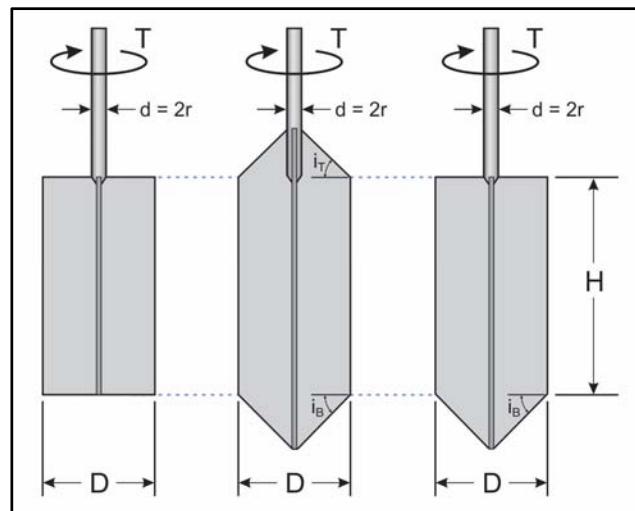
The vane is advanced to the desired test depth from surface or through a cased hole, typically using one meter length rods with an outer diameter of 1.5 inches. Test depths are referenced to the middle of the vane. The motor rotates the vane rods at a near constant rate up to and beyond the yield stress (peak) until the load remains near constant (post peak). Following post peak readings, the vane is then rapidly rotated clockwise, typically ten times to completely remold the soil. The test procedure is repeated in order to record the remolded strength of the soil. The vane is then advanced to the next depth and the procedure is repeated or the vane is retracted to allow for drilling and vane size changes. Once the vane is retracted the final baseline is recorded and compared to previous readings as a QA/QC check.

Undrained shear strength from the field vane, $(S_u)_{fv}$, is typically calculated from torque measurements using the following general equation (ASTM D2573, 2008) taking into consideration the case of rectangular or tapered ends at the top and/or bottom of the vane.

$$(S_u)_{fv} = \frac{12 \cdot T_{\max}}{\pi D^2 \left(\frac{D}{\cos(i_T)} + \frac{D}{\cos(i_B)} + 6H \right)}$$

where:

- $(S_u)_{fv}$ = undrained shear strength from the field vane
- T_{\max} = maximum value of torque
- D = vane diameter
- H = height of the rectangular portion of the vane
- i_T = angle of taper at vane top (with respect to horizontal)
- i_B = angle of taper at vane bottom (with respect to horizontal)



For rectangular vanes where $H/D = 2$, the above equation simplifies to:

$$(S_u)_{fv} = \frac{6 \cdot T_{\max}}{7\pi D^3}$$

ELECTRONIC FIELD VANE SHEAR TEST

No correction factors are applied to the vane results to derive the mobilized shear strength ($\tau_{mobilized}$). Rod friction is considered to be negligible as the torque measurements are recorded below the push rods and just above the vane in situ.

A summary of the vane shear tests, a table of results and individual VST plots are provided in the relevant appendices. Tabular data in Excel format is provided in the data release folder.

References

ASTM D2573-08, 2008, "Standard Test Method for Field Vane Shear Test in Cohesive Soil", ASTM West Conshohocken, US.

Greig, J.W., R.G. Campanella and P.K. Robertson, 1987, "Comparison of Field Vane Results With Other In-Situ Test Results", International Symposium on Laboratory and Field Vane Shear Strength Testing, ASTM, Tampa, FL, Proceedings.

STANDARD PENETRATION TEST ENERGY (SPTe) MEASUREMENTS

Standard penetration testing with energy measurements (SPTe) is conducted to measure the energy generated from a hammer impact that enters the drill rod string.

SPTe measurements are conducted in general accordance with the current ASTM D4633 standard.

The Pile Driving Analyzer (PDA) system manufactured by Pile Dynamics Inc. (PDI) is used to record and analyze energy measurements. The system uses the force-velocity (EFV) method to calculate SPT energy which uses both the force and velocity records to calculate the maximum transferred energy (EFV).

$$EFV = \max \left[\int F(t)v(t)dt \right]$$

The integration is performed over the time from which the energy transfer begins and terminates at the time when the energy transfer reaches a maximum value. This method is theoretically correct for all rod lengths regardless of the $2L/c$ stress wave travel time and the number of changes in rod cross sectional area. (L is the rod length and c is the stress wave speed in the rod.)

The Energy Transfer Ratio (ETR) is calculated by comparing the calculated energy (EFV) to the theoretical maximum potential energy (PE). The ratio is expressed as a percent of the theoretical energy of a standard SPT system which consists of a 140 lb hammer falling 30 inches. ETR is computed using the following equation:

$$ETR = \frac{EFV}{PE} \times 100\%$$

A summary of the tests and tabular results are provided in the relevant appendix.

Reference

ASTM D4633-10, 2010, "Standard Test Method for Energy Measurement for Dynamic Penetrometers", ASTM, West Conshohocken, US.

APPENDICES

The following appendices listed below are included in the report:

- Cone Penetration Test Summary and Standard Cone Penetration Test Plots
- Advanced Cone Penetration Test Plots with $S_u(N_{kt})$
- Resistivity Cone Penetration Test Plots
- Seismic Cone Penetration Test Plots
- Seismic Cone Penetration Test Tabular Results
- Pore Pressure Dissipation (CPT) Summary and Pore Pressure Dissipation Plots
- Electronic Field Vane Shear Test Summary and Results
- Electronic Field Vane Shear Test Plots
- Photographs of Damaged Vane Blades
- Standard Penetration Test with Energy Summary and Results

Cone Penetration Test Summary and
Standard Cone Penetration Test Plots



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 01-Oct-2014
End Date: 01-Nov-2014

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Assumed Phreatic Surface ¹ (m)	Final Depth (m)	Northing ² (m)	Easting (m)	Elevation (m)	Refer to Notation Number
RSCPT14-01	14-02091_RS01	01-Oct-2014	418:T1500F15U500	1.9	14.675	5819871.83	595252.96	931.29	
RSCPT14-02	14-02091_RS02	10-Oct-2014	418:T1500F15U500	3.0	16.600	5819956.83	595200.65	933.03	
RSCPT14-03	14-02091_RS03	02-Oct-2014	418:T1500F15U500	2.6	20.525	5819937.31	595129.86	932.47	
RSCPT14-04	14-02091_RS04	04-Oct-2014	418:T1500F15U500	6.5	17.250	5819912.66	595105.56	932.27	
RSCPT14-05	14-02091_RS05	27-Oct-2014	418:T1500F15U500	0.0	17.600	5819924.42	595188.02	937.43	5
RSCPT14-06	14-02091_RS06	07-Oct-2014	418:T1500F15U500	0.0	20.225	5819920.26	595177.07	937.76	5
RCPT14-06	14-02091_RP06	17-Oct-2014	418:T1500F15U500	0.0	18.100	5819922.37	595176.22	937.71	3, 5
RSCPT14-07	14-02091_RS07	08-Oct-2014	418:T1500F15U500	0.0	14.175	5819902.21	595053.58	931.58	
RSCPT14-08	14-02091_RS08	28-Oct-2014	418:T1500F15U500	0.0	28.875	5819890.40	595169.41	947.50	5
RSCPT14-10	14-02091_RS10	16-Oct-2014	418:T1500F15U500	2.6	16.275	5819967.55	595151.21	932.24	
RSCPT14-11	14-02091_RS11	15-Oct-2014	418:T1500F15U500	0.0	10.625	5819991.32	595169.95	931.06	5
RSCPT14-13	14-02091_RS13	31-Oct-2014	418:T1500F15U500	0.0	22.950	5819770	595407	933.06	5, 6
RSCPT14-14	14-02091_RS14	17-Oct-2014	418:T1500F15U500	0.6	13.975	5819937.03	595100.52	930.45	
RSCPT14-15	14-02091_RS15	20-Oct-2014	418:T1500F15U500	0.4	18.825	5819960.89	595100.02	930.20	
RSCPT14-16	14-02091_RS16B	22-Oct-2014	418:T1500F15U500	0.0	12.475	5819976.38	595078.31	930.28	4
RSCPT14-16	14-02091_RS16C	25-Oct-2014	418:T1500F15U500	0.0	8.975	5819975.79	595079.20	930.44	5
RSCPT14-17	14-02091_RS17	23-Oct-2014	418:T1500F15U500	0.0	13.950	5819994.09	595086.97	929.99	
RSCPT14-18	14-02091_RS18	24-Oct-2014	418:T1500F15U500	0.0	11.850	5820025.89	595012.98	934.84	
RSCPT14-19	14-02091_RS19	24-Oct-2014	418:T1500F15U500	2.0	7.075	5820043.69	594886.51	942.67	
RSCPT14-21	14-02091_RS21	01-Nov-2014	418:T1500F15U500	14.2	25.550	5819715	595334	968.91	6
RSCPT14-22	14-02091_RS22	30-Oct-2014	418:T1500F15U500	0.1	18.400	5819981.72	595124.54	929.77	

1. Assumed phreatic surfaced based on pore pressure dissipation tests, unless otherwise noted. Equilibrium pore pressure profiles were used for interpretation tables.

2. Coordinates were provided by the client in a localized Tailings Grid datum which was noted to be similar to datum NAD 83.

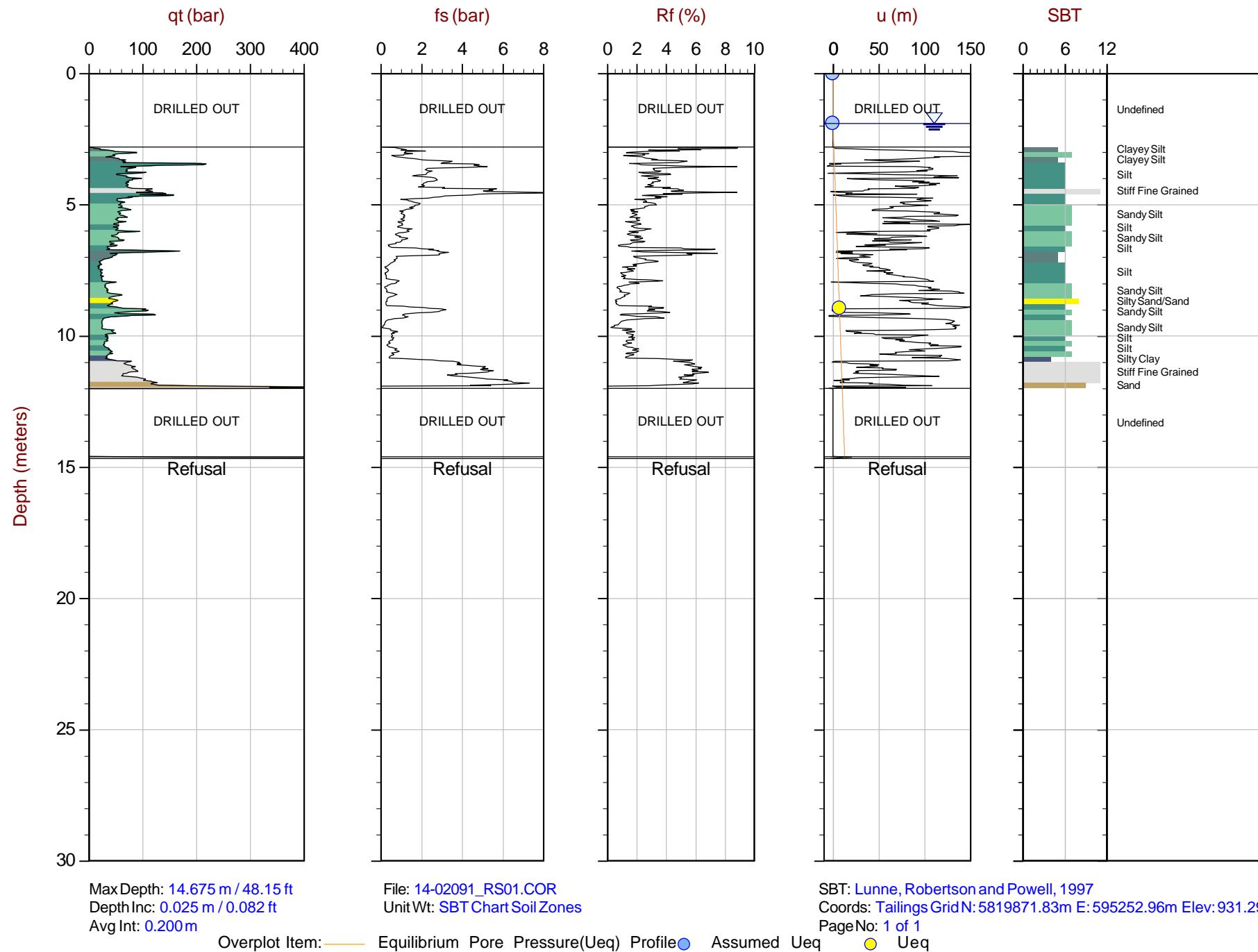
No transformation file was available, coordinates were uploaded to ConeTec Data Services in datum NAD83 UTM Zone 10 North.

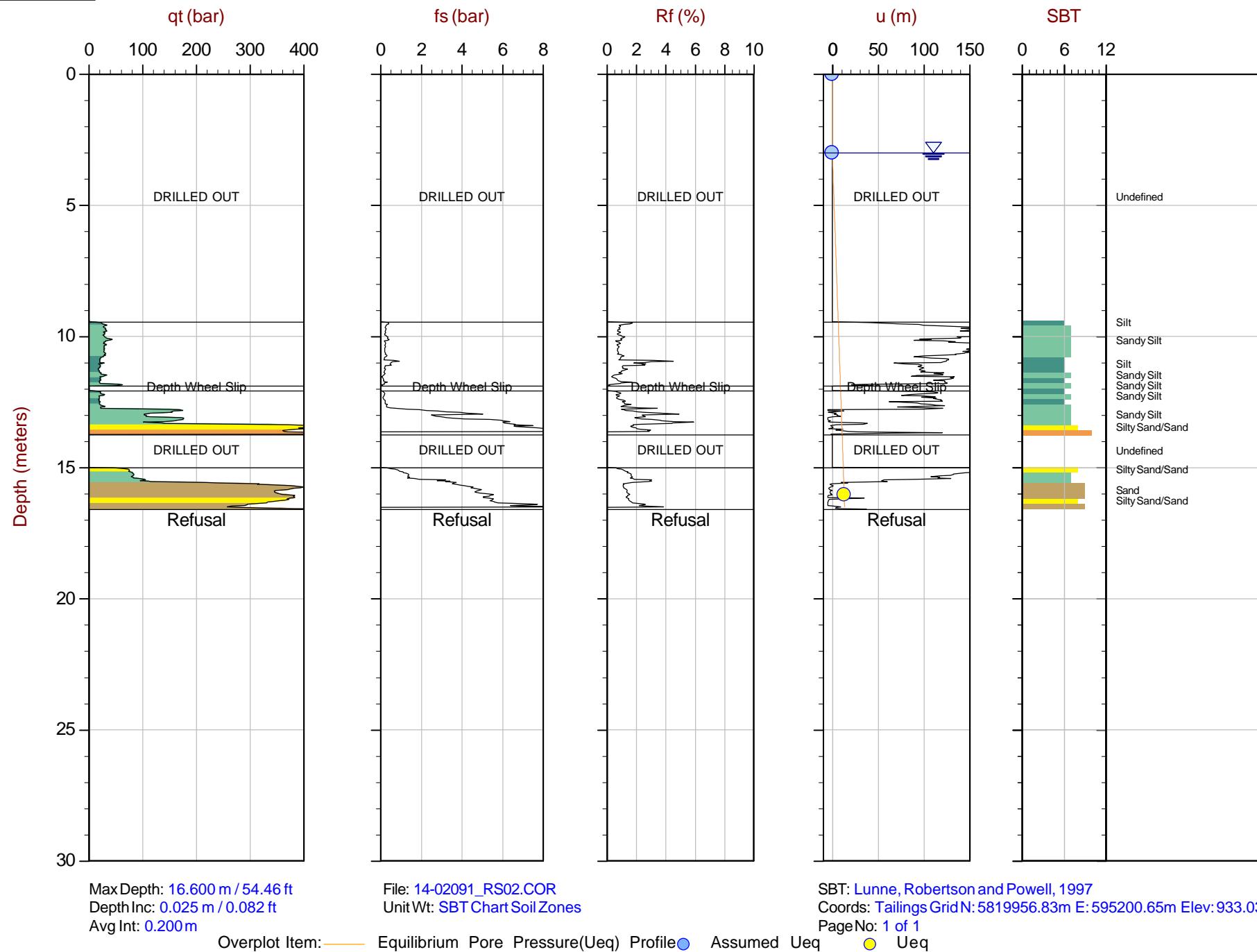
3. This hole was conducted due to a minor tip baseline shift in test RSCPT14-06 (14-02091_RS06). Refer to the report for additional information.

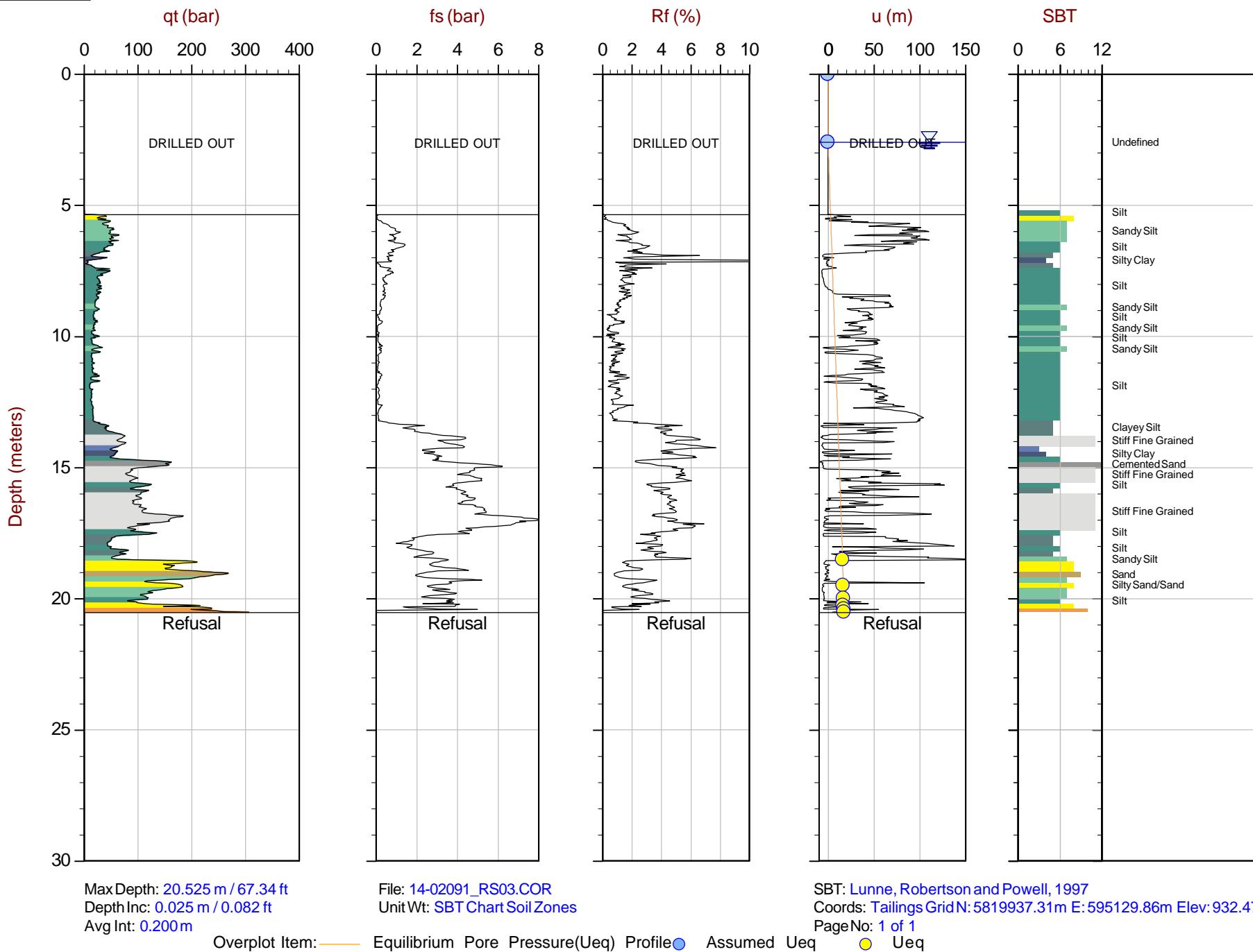
4. The top part of the sounding was recompleted at a later date.

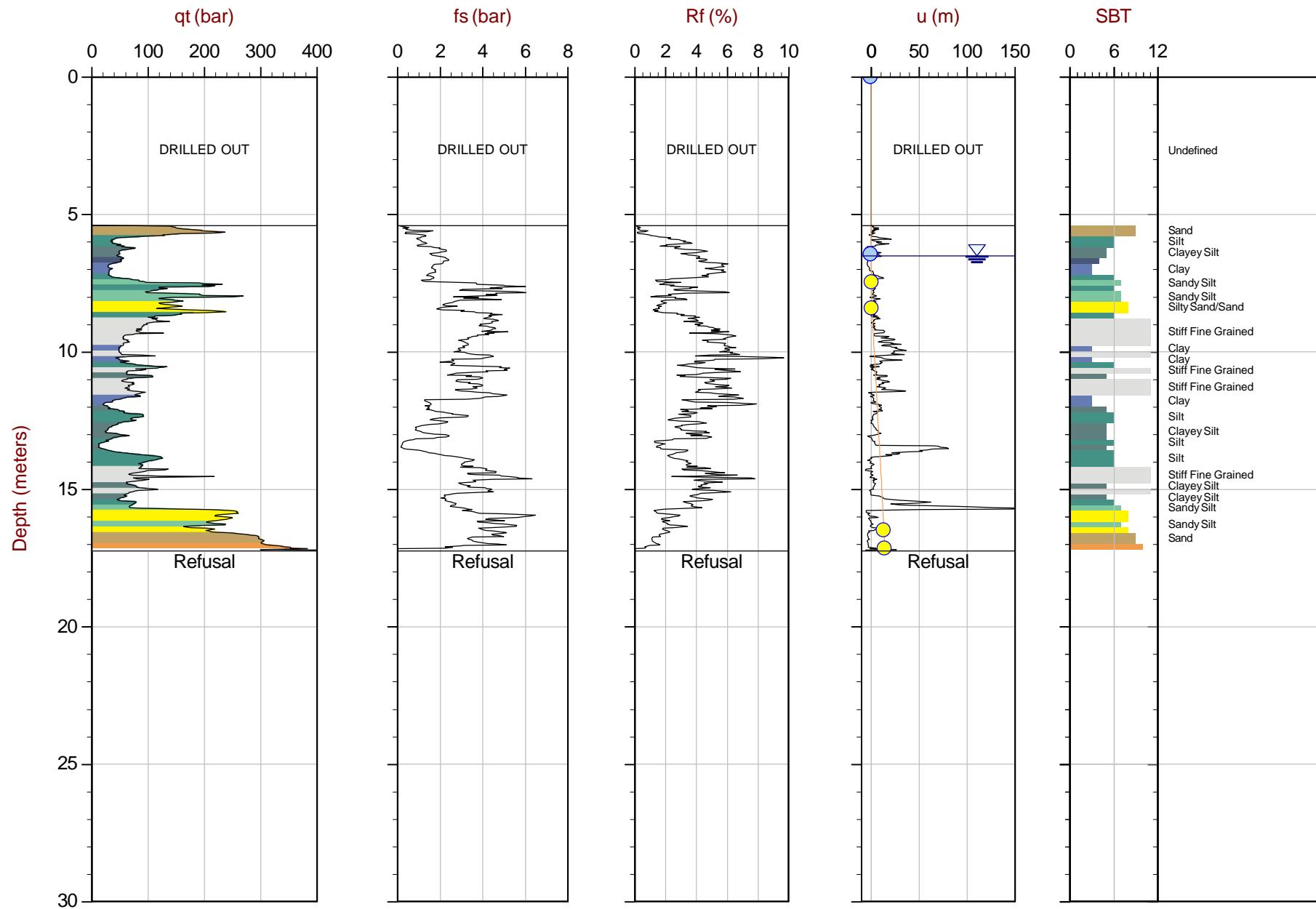
5. No pore pressure dissipation tests reached equilibrium. The phreatic surface was assumed to be at ground surface and hydrostatic conditions were assumed for the interpretation tables.

6. Coordinates were obtained using a handheld GPS in datum NAD83, UTM zone 10 North. Elevation was based on the adjacent bore hole elevation provided by the client.









Max Depth: 17.250 m / 56.59 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

File: 14-02091_RS04.COR

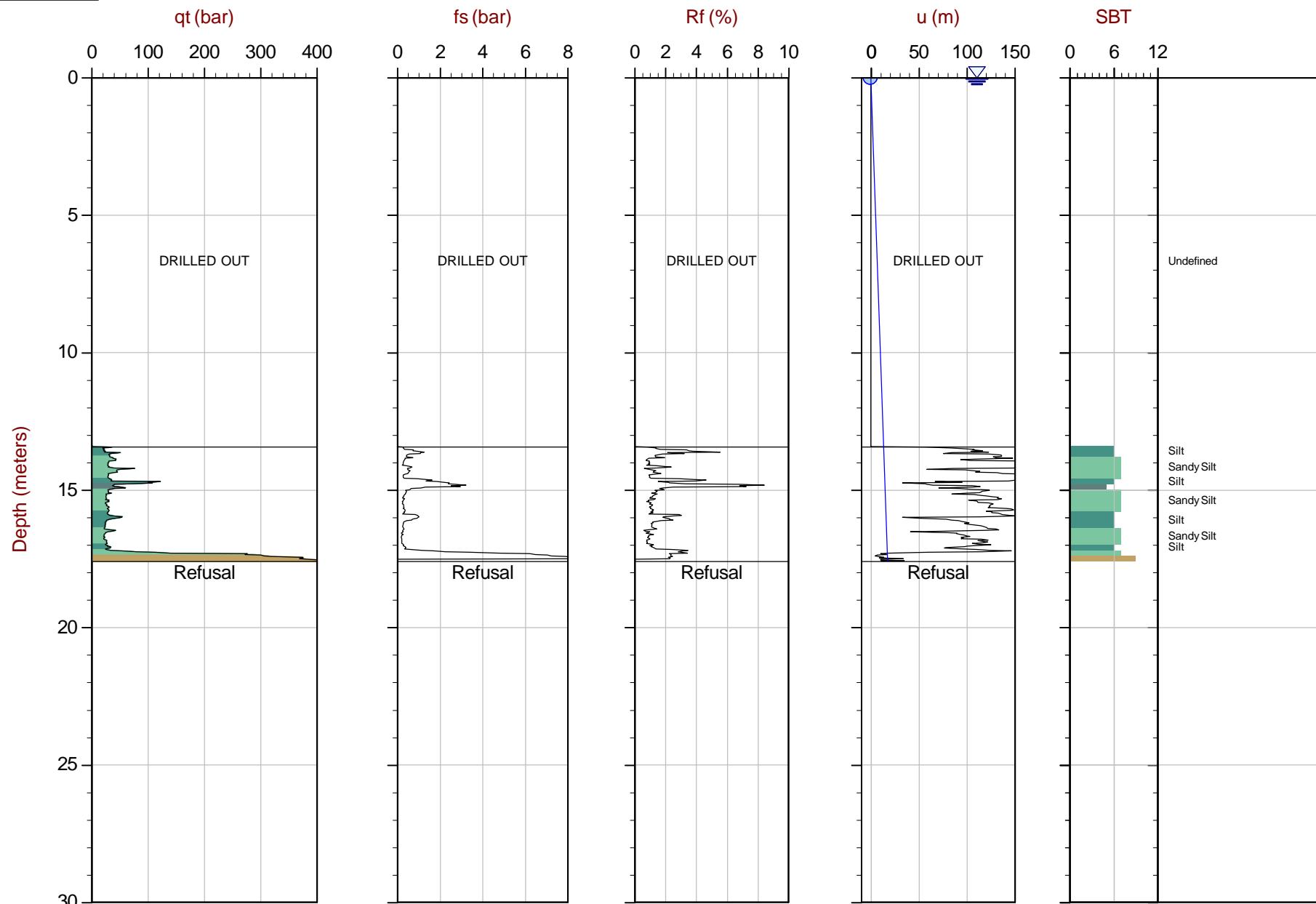
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819912.66m E: 595105.56m Elev: 932.27m

PageNo: 1 of 1

Overplot Item: Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq

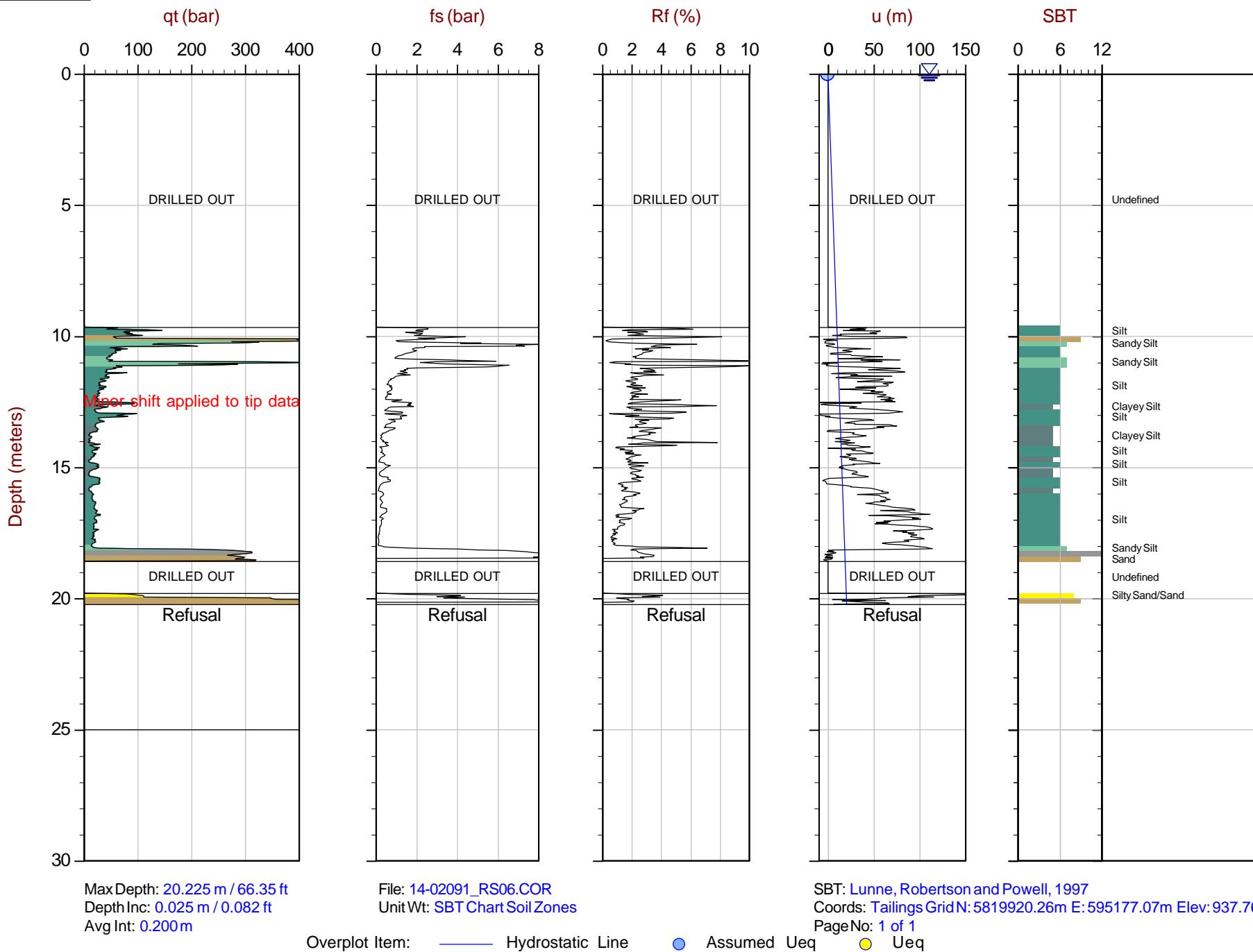


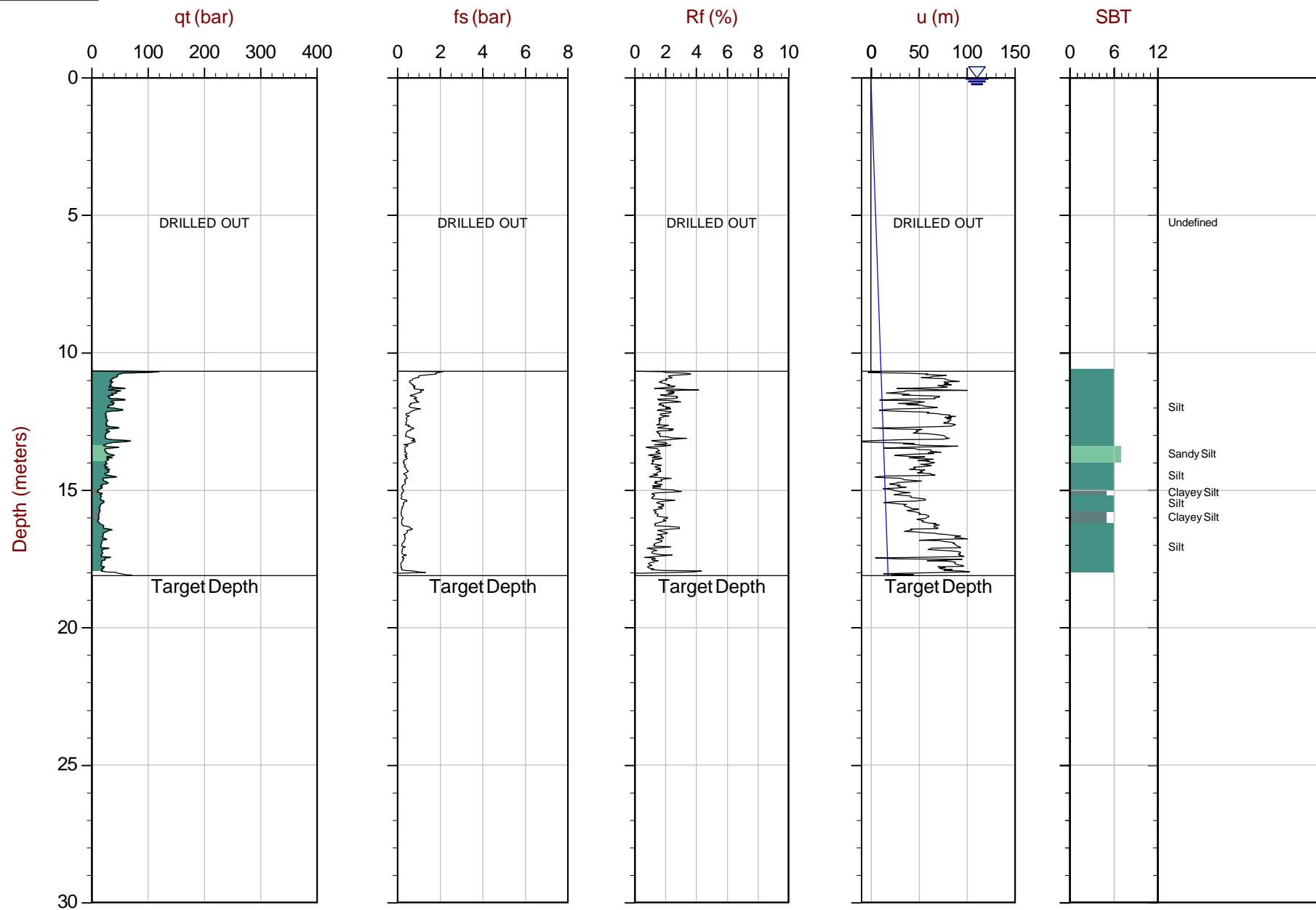
Max Depth: 17.600 m / 57.74 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

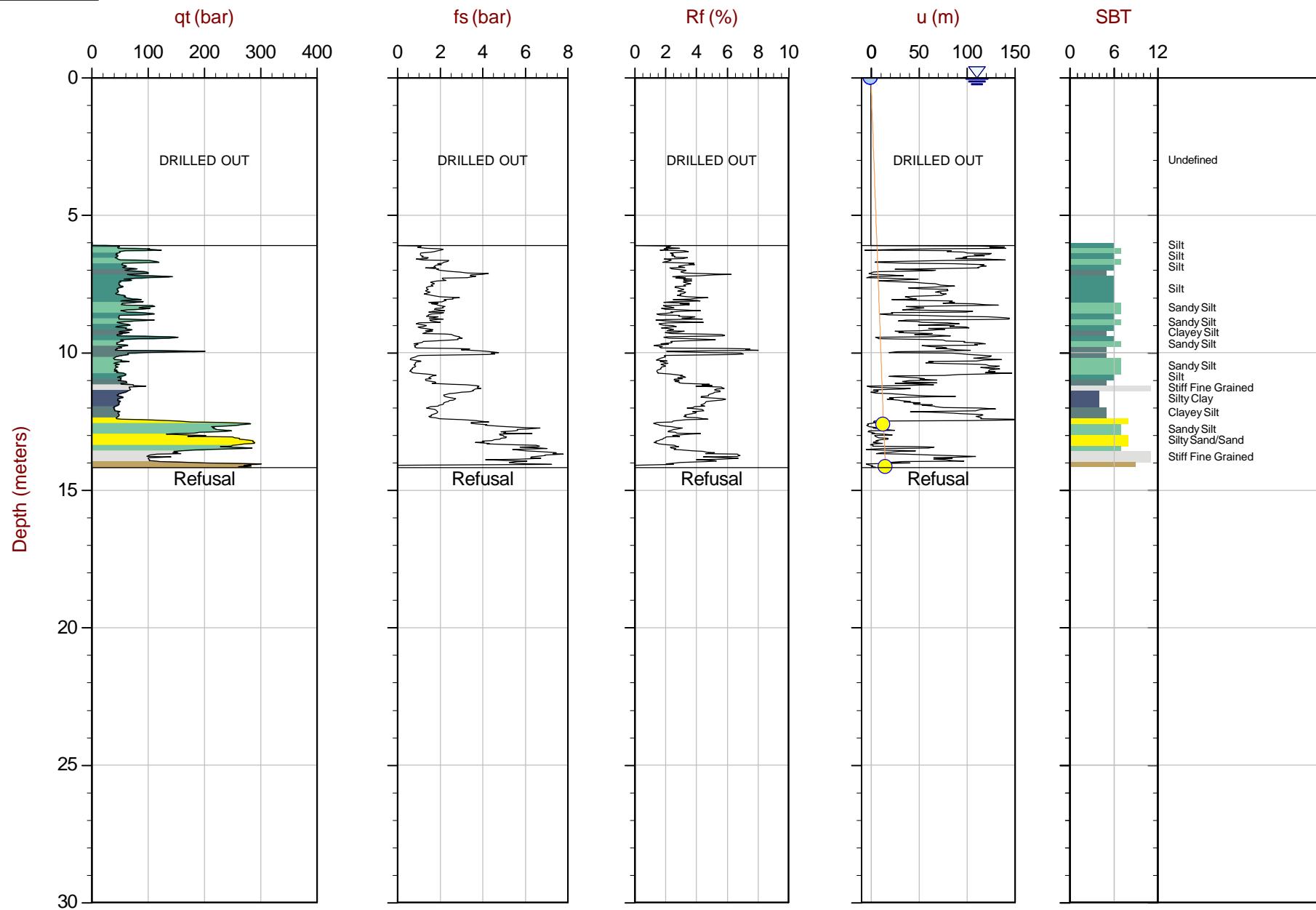
File: 14-02091_RS05.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819924.42m E: 595188.02m Elev: 937.43m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ○ Ueq





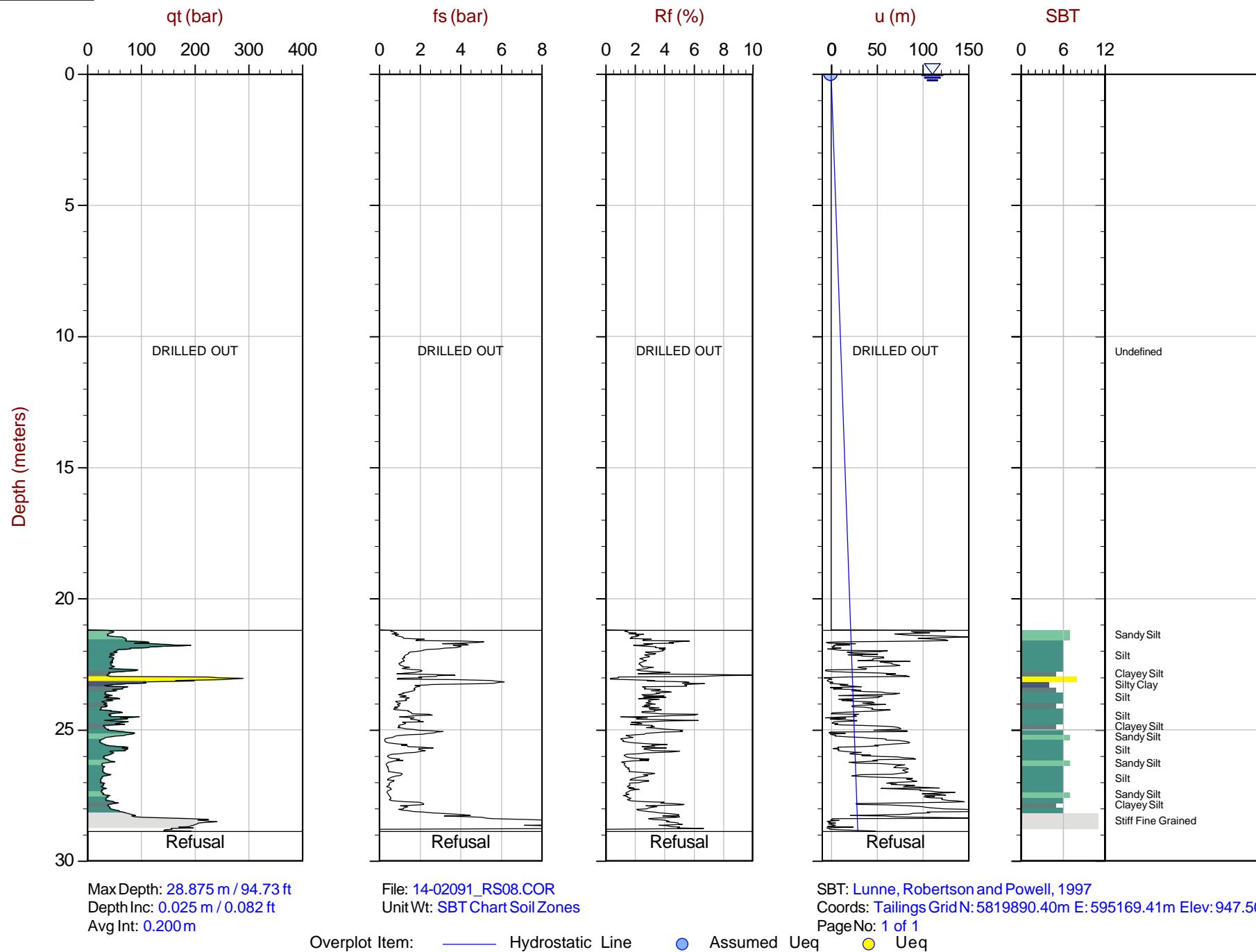


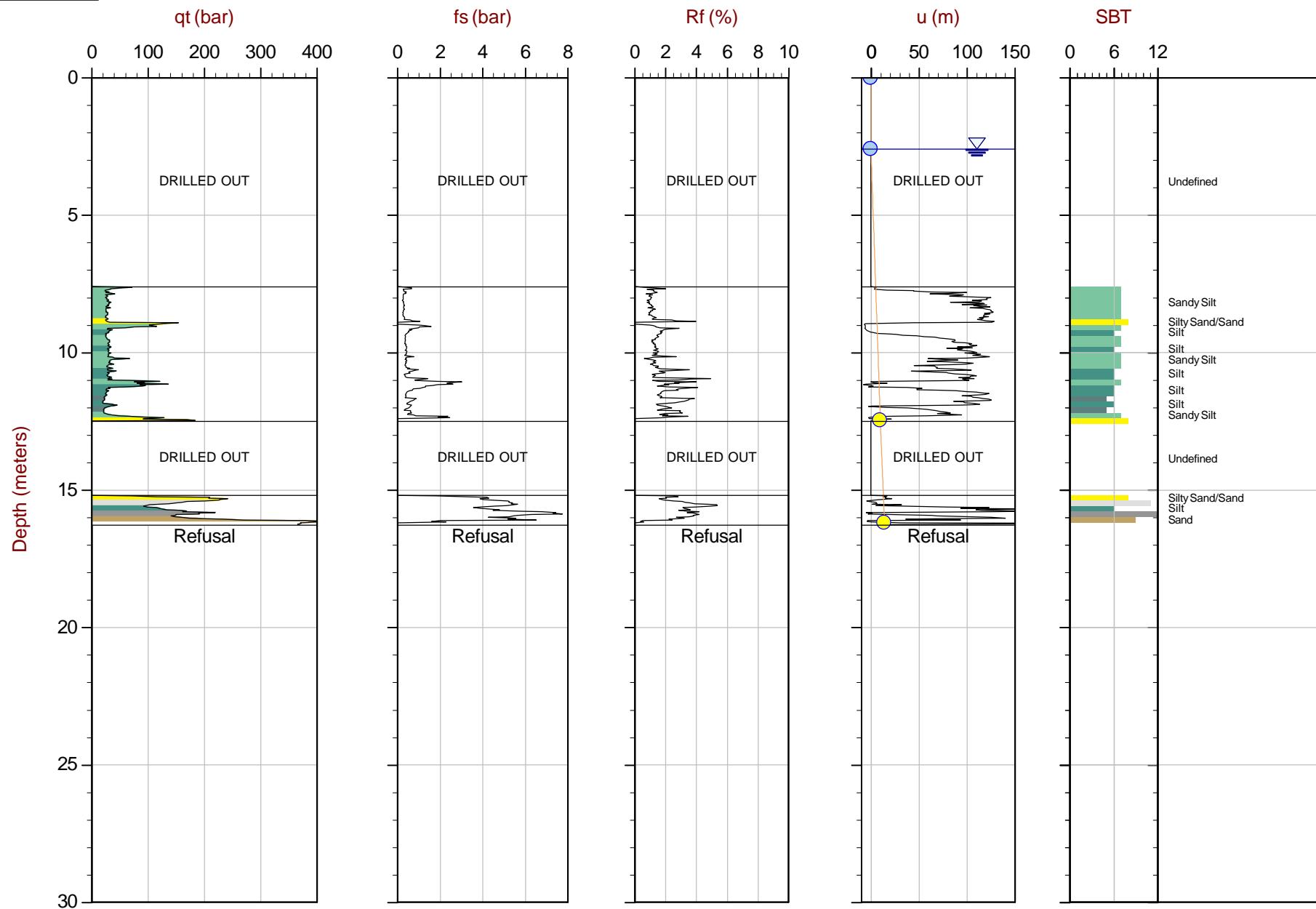
Max Depth: 14.175 m / 46.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS07.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819902.21m E: 595053.58m Elev: 931.58m
PageNo: 1 of 1

Overplot Item: Equilibrium Pore Pressure(Ueq) Profile Assumed Ueq Ueq



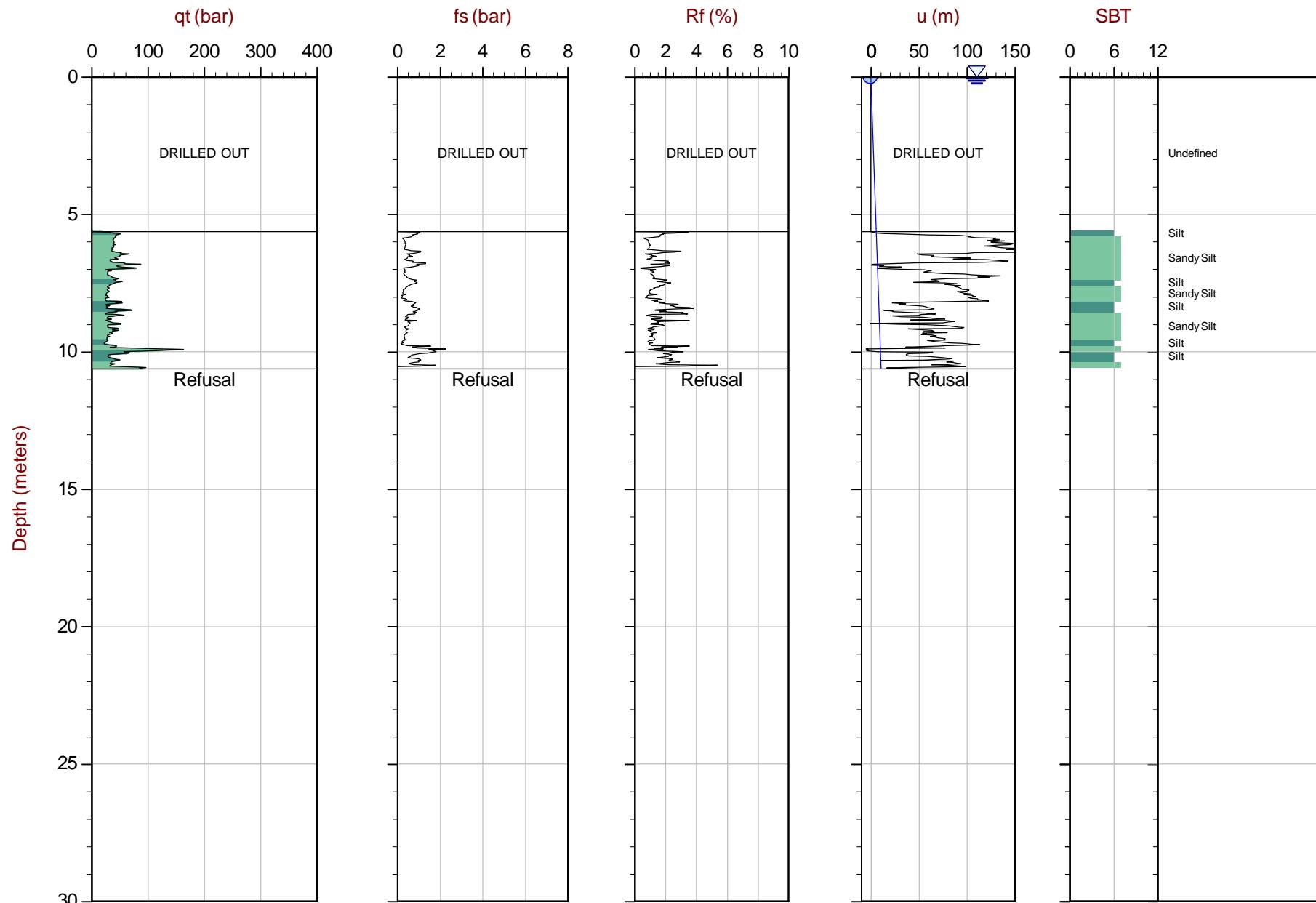


Max Depth: 16.275 m / 53.40 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS10.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819967.55m E: 595151.21m Elev: 932.24m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq

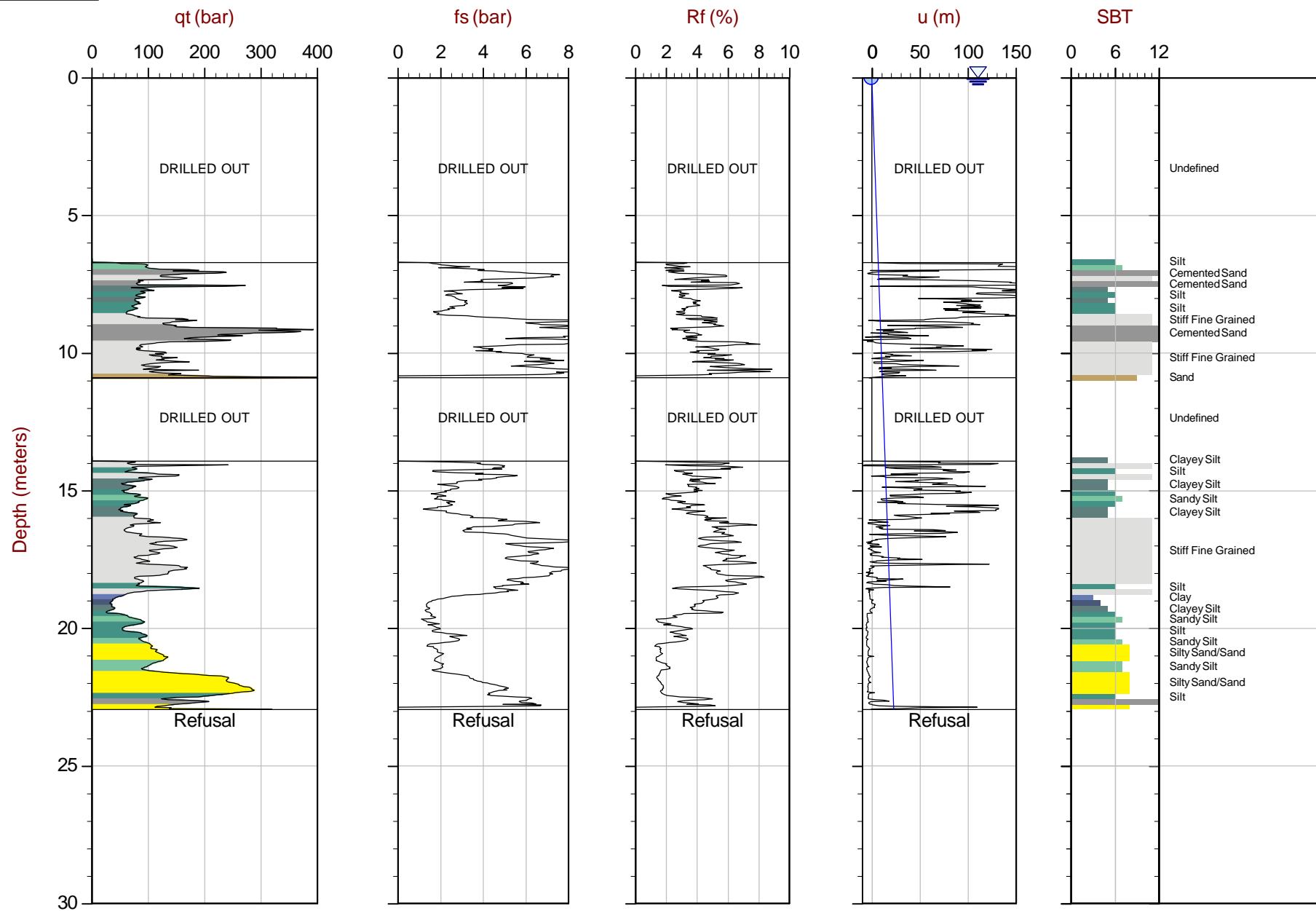


Max Depth: 10.625 m / 34.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS11.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819991.32m E: 595169.95m Elev: 931.06m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



Max Depth: 22.950 m / 75.29 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200 m

File: 14-02091_RS13.COR

Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819770.00m E: 595407.00m Elev: 933.06m

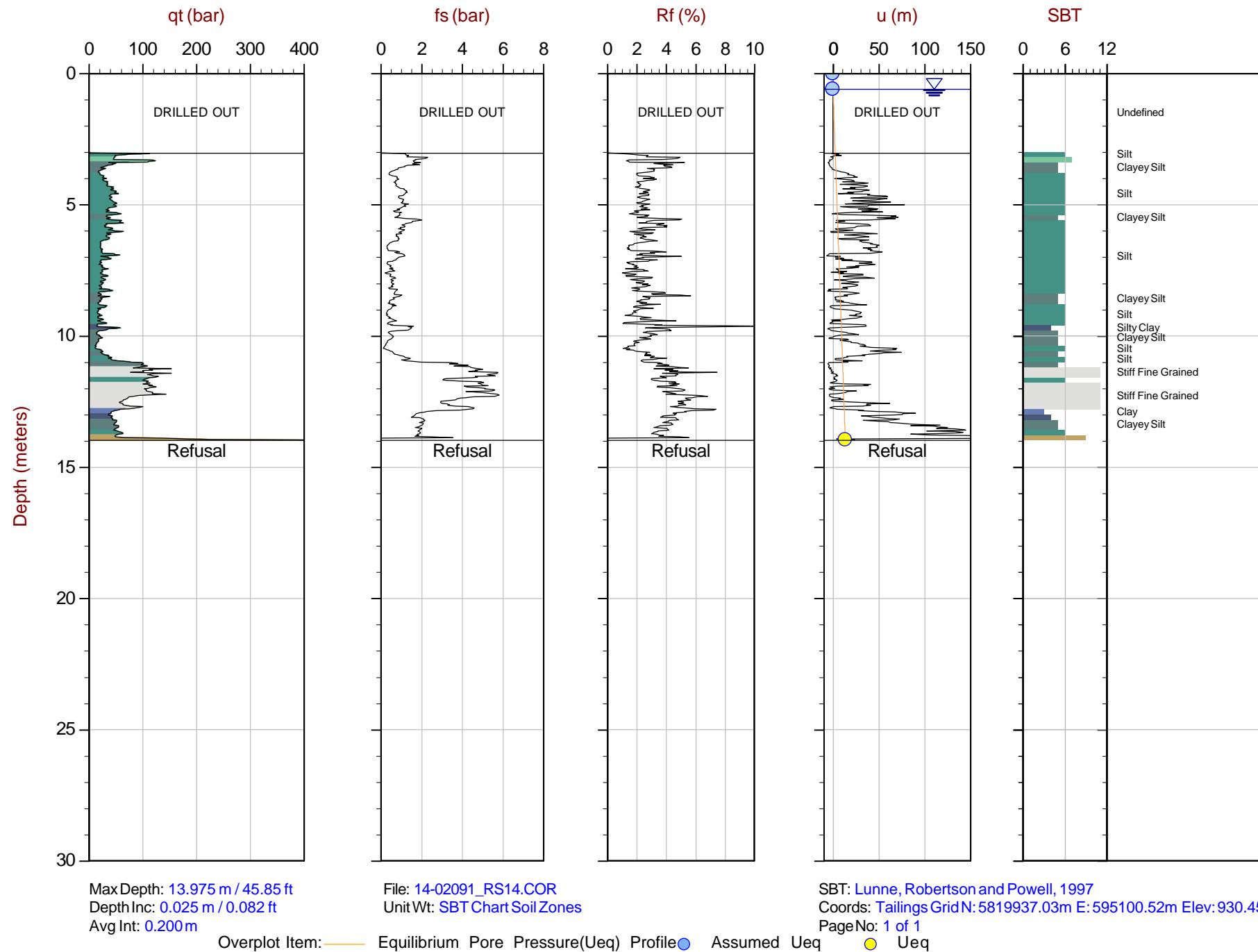
PageNo: 1 of 1

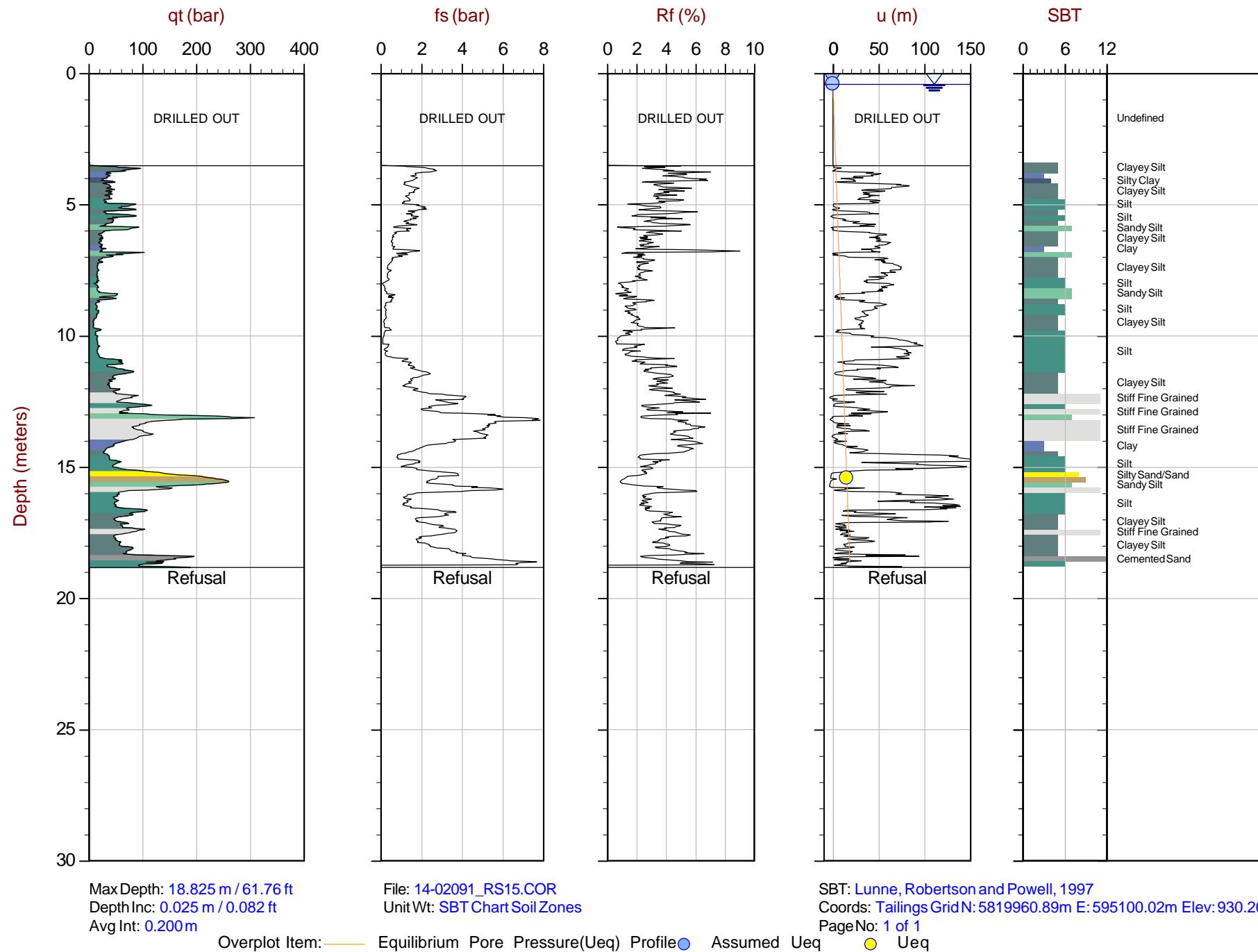
Overplot Item: — Hydrostatic Line

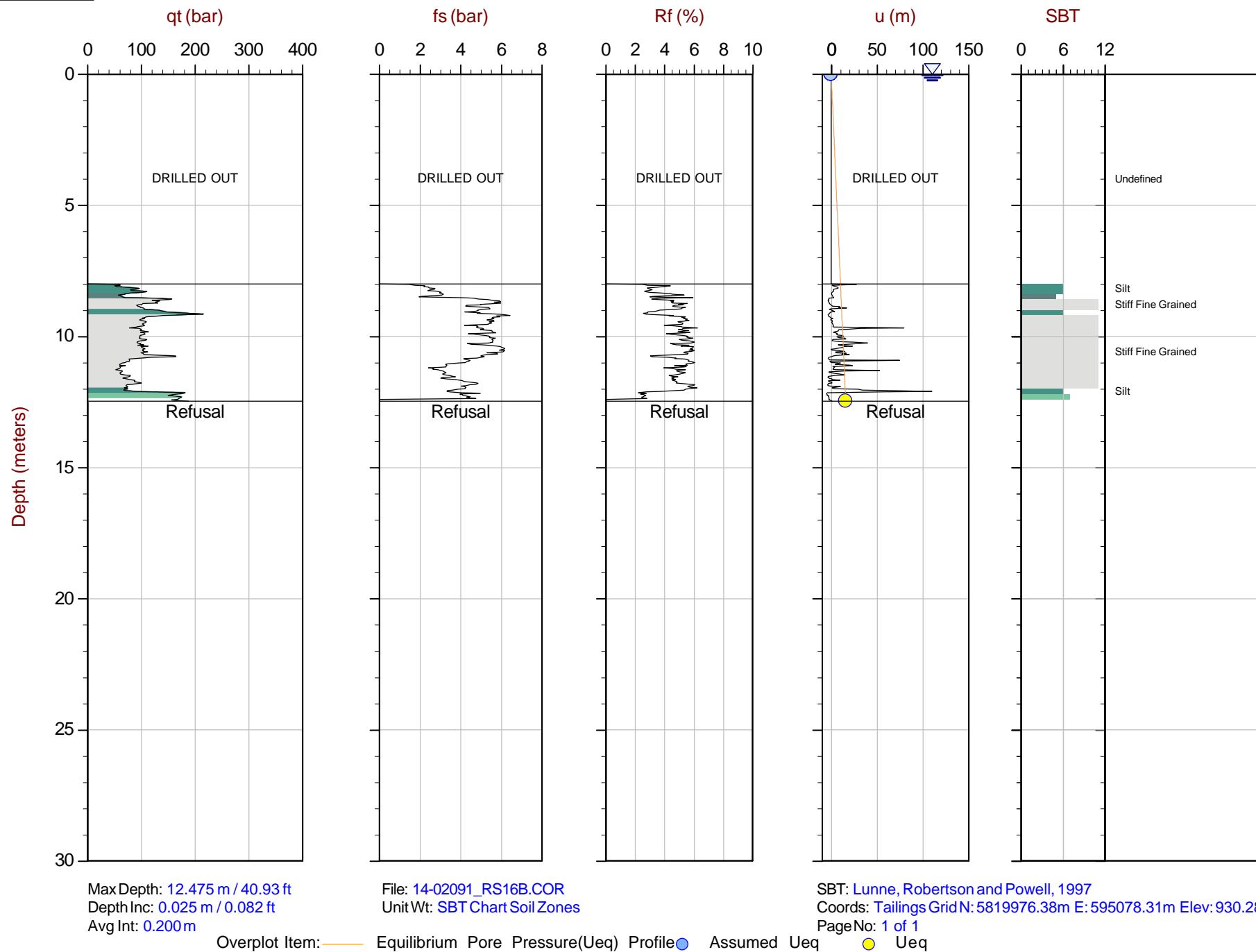
● Assumed Ueq

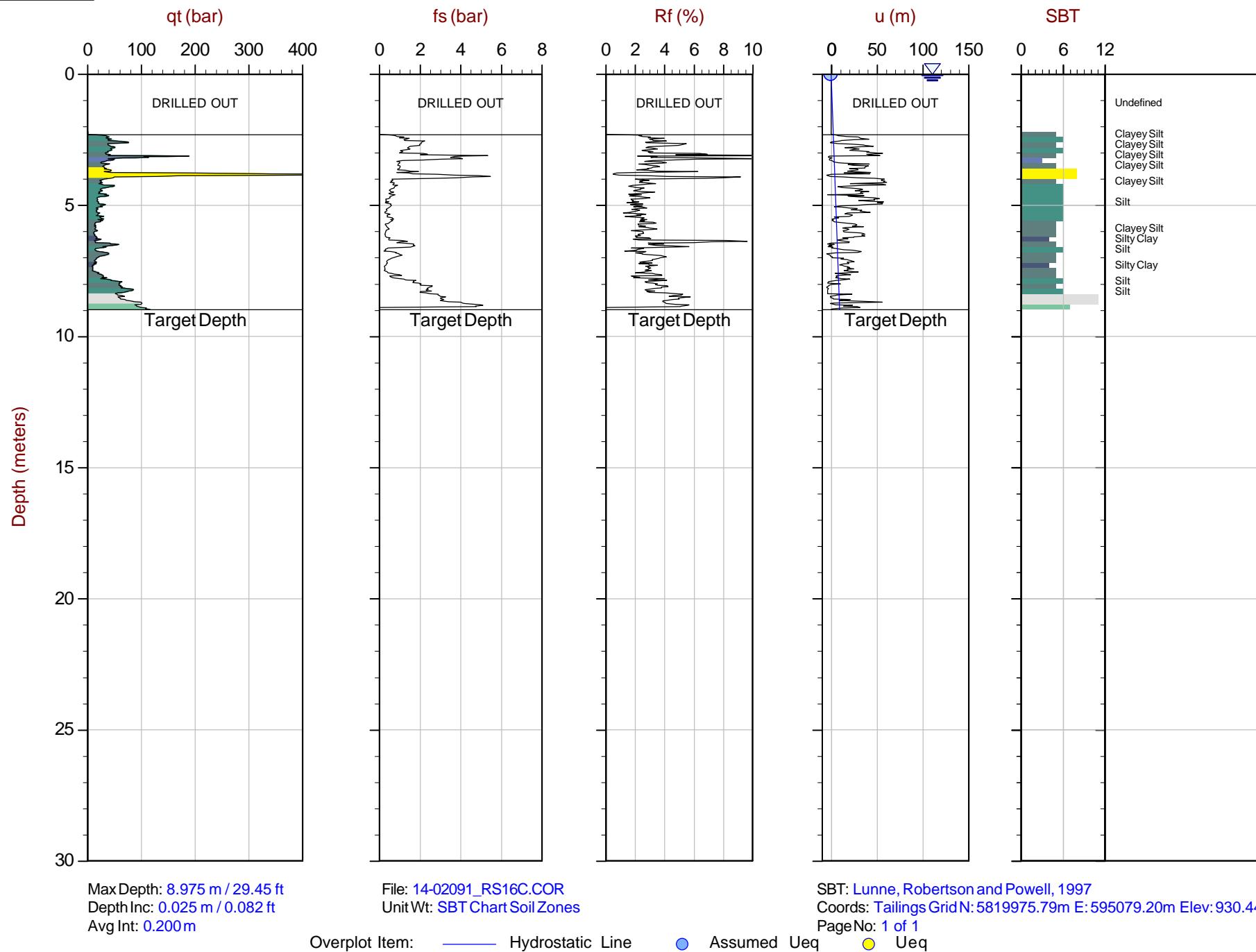
● Ueq

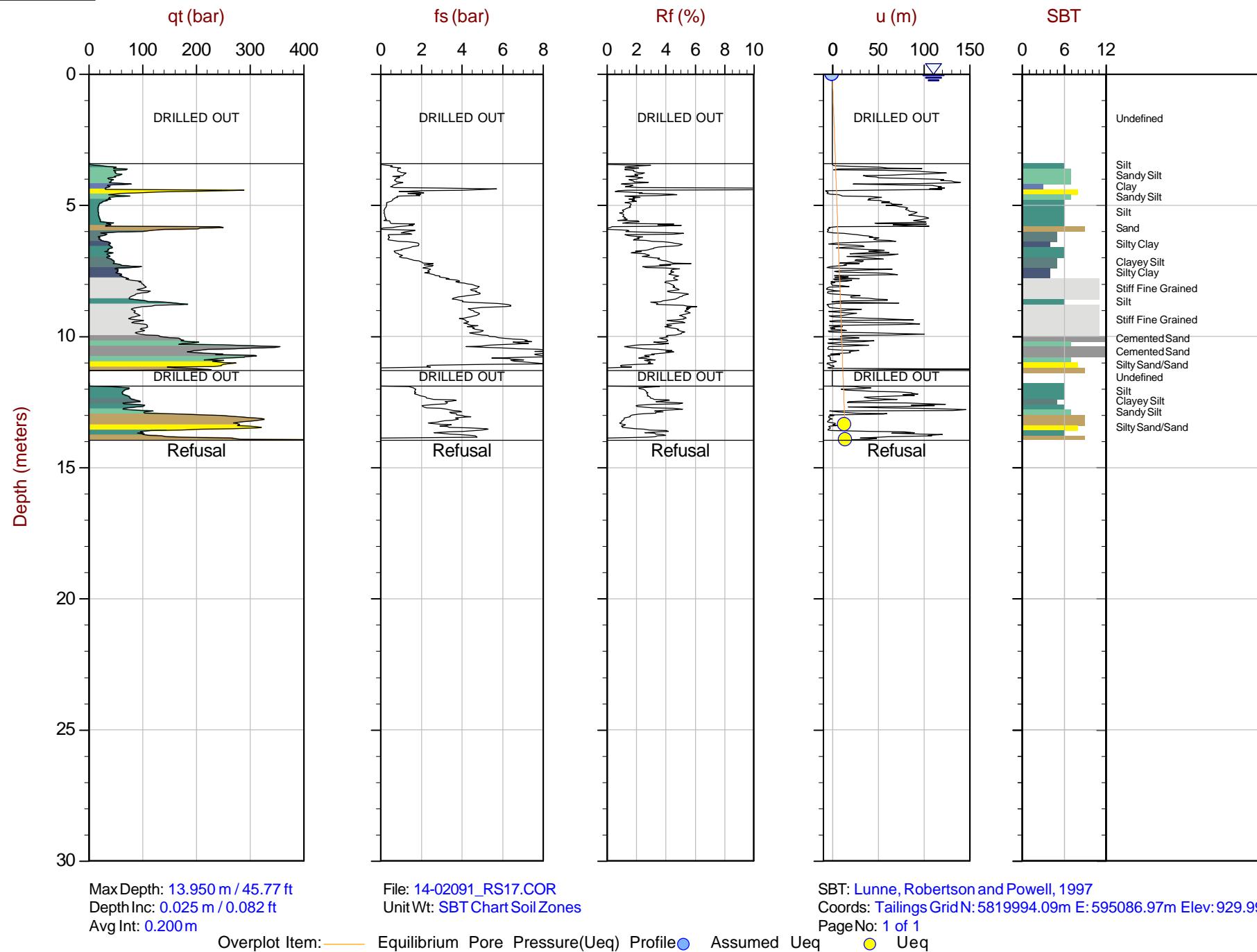
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.

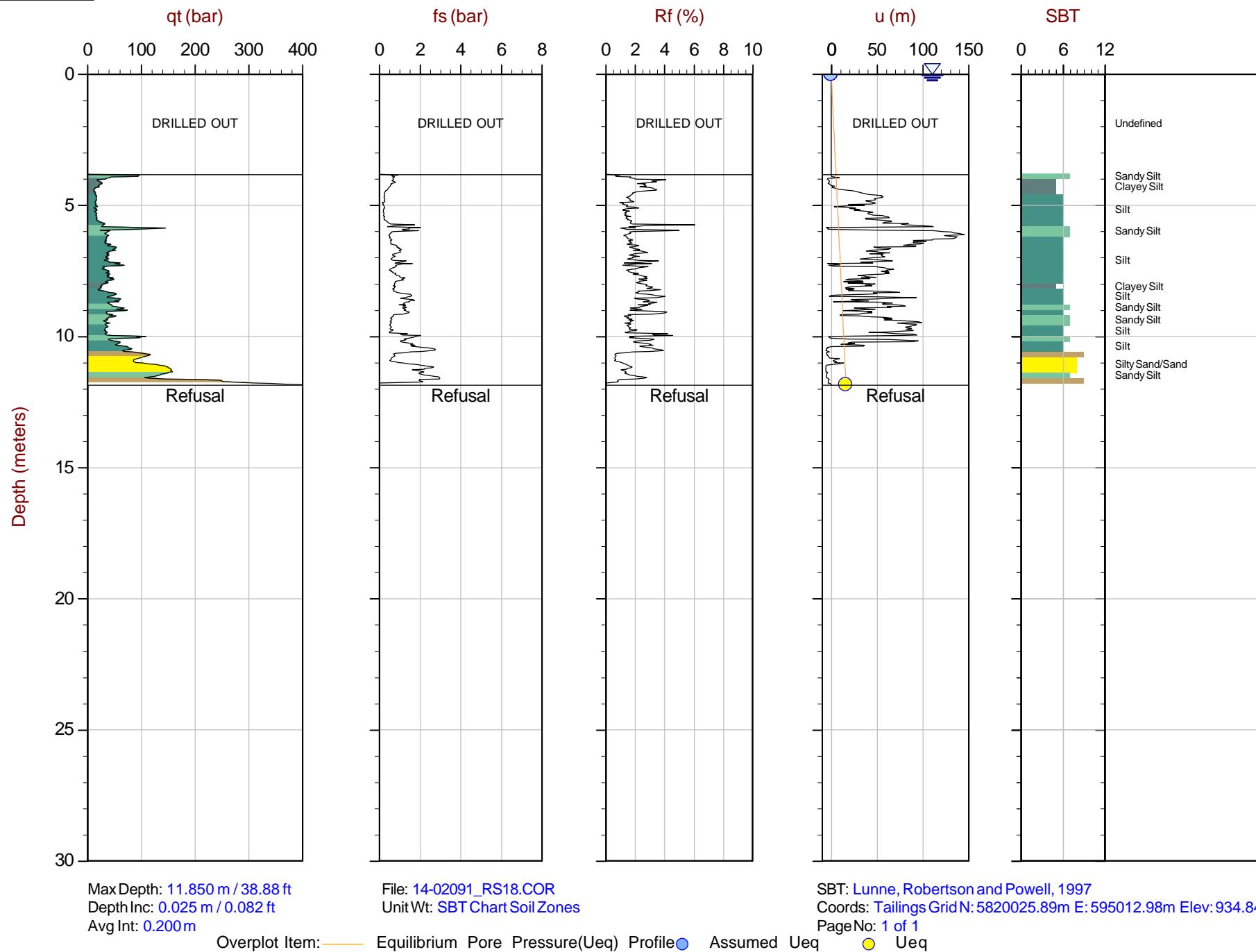


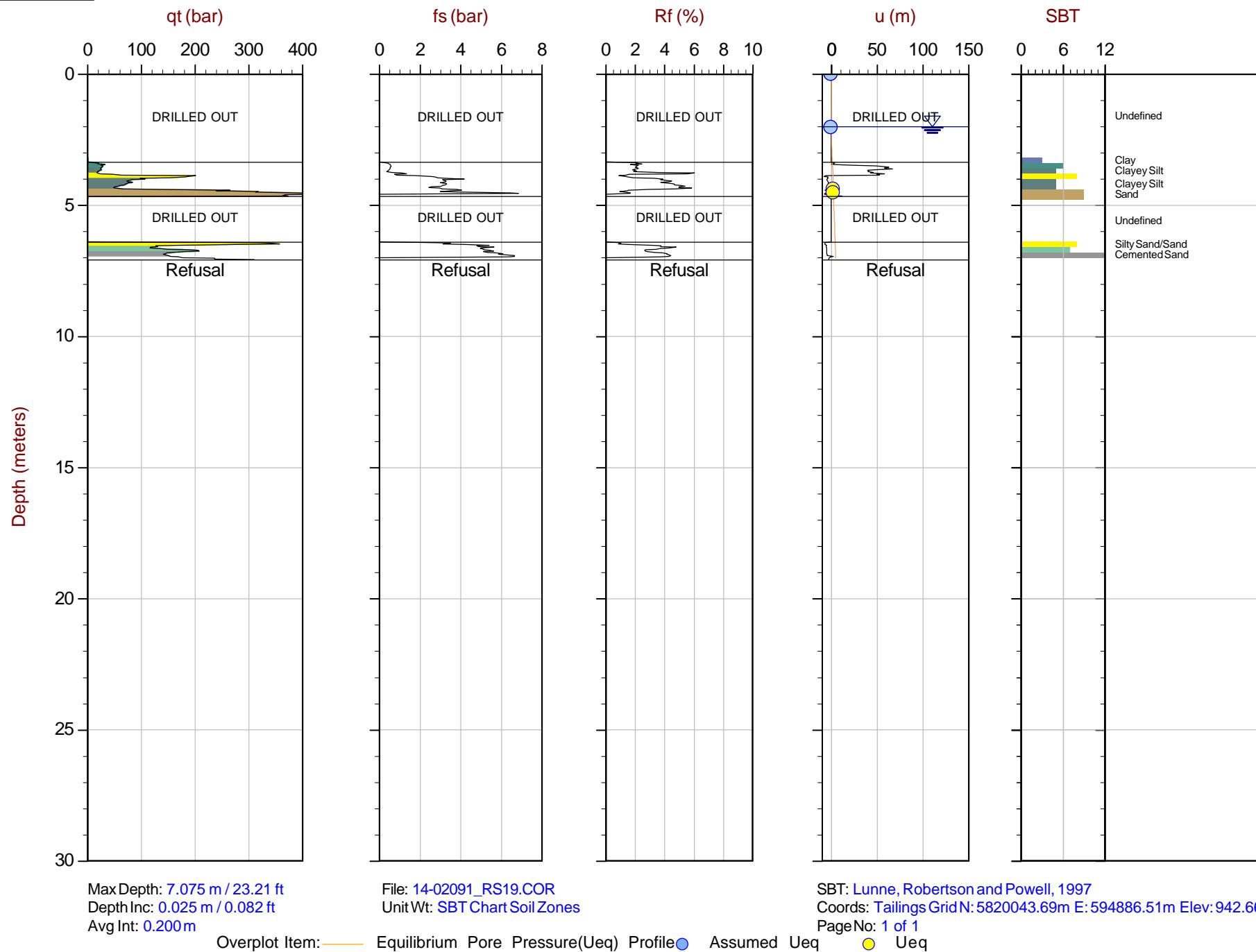


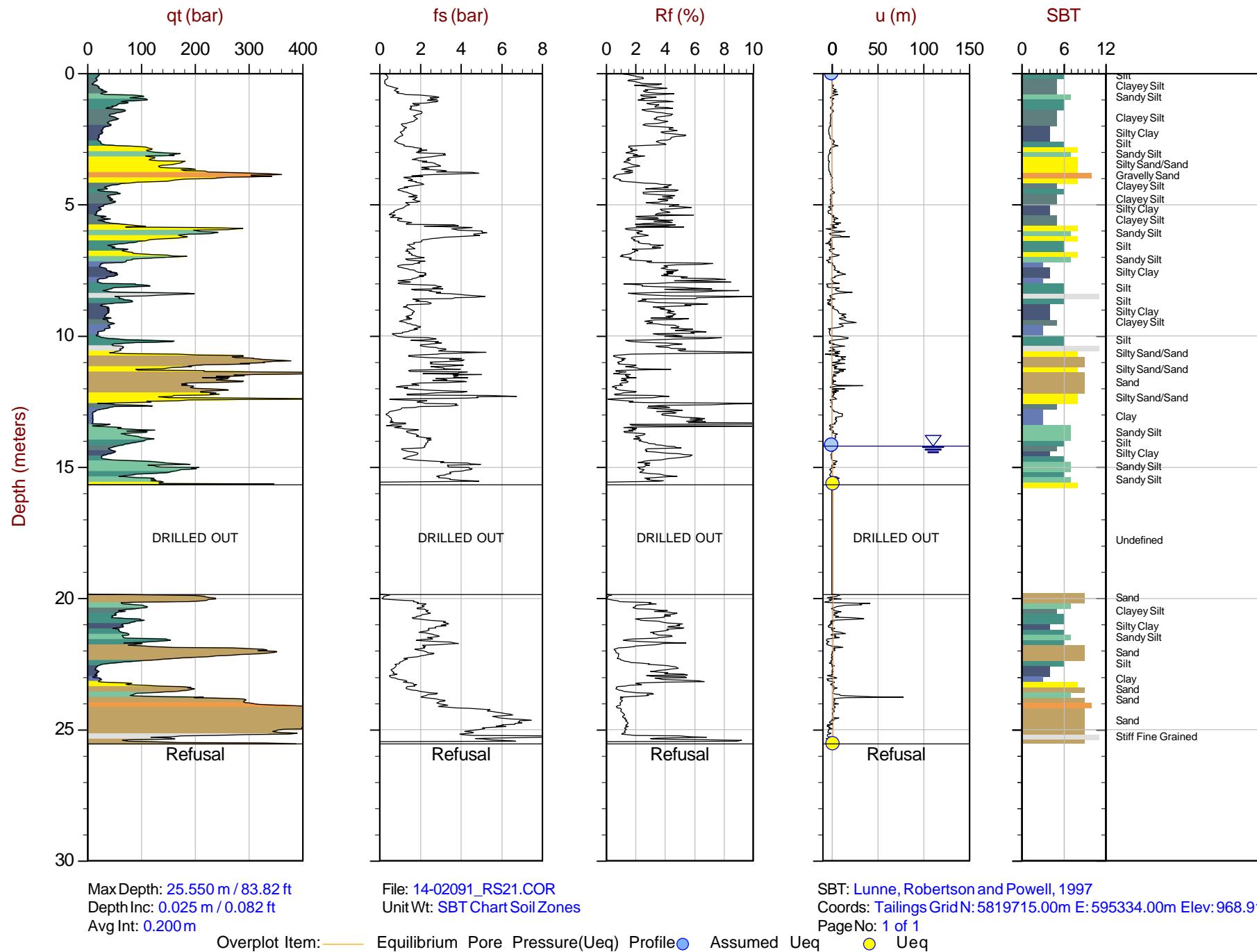


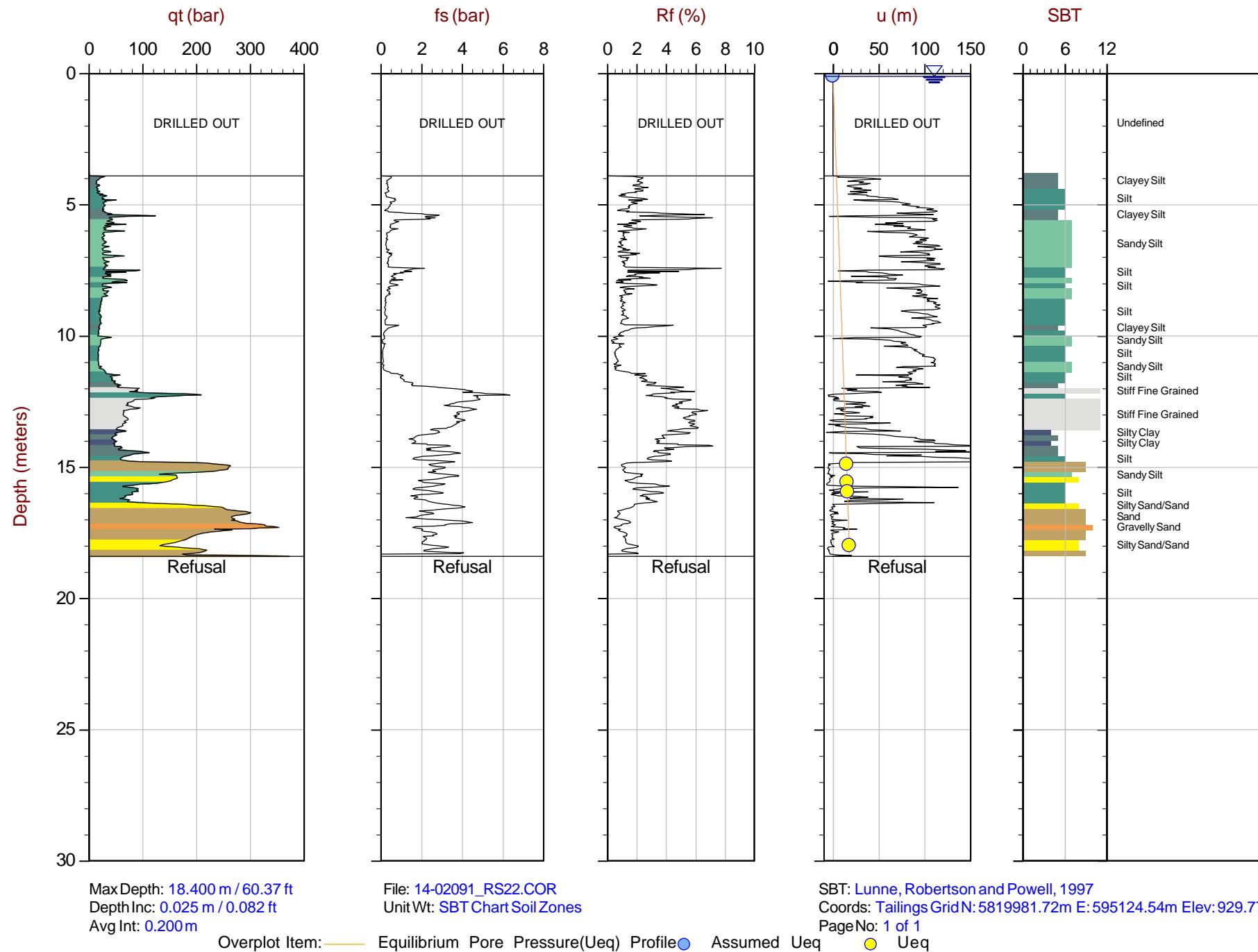




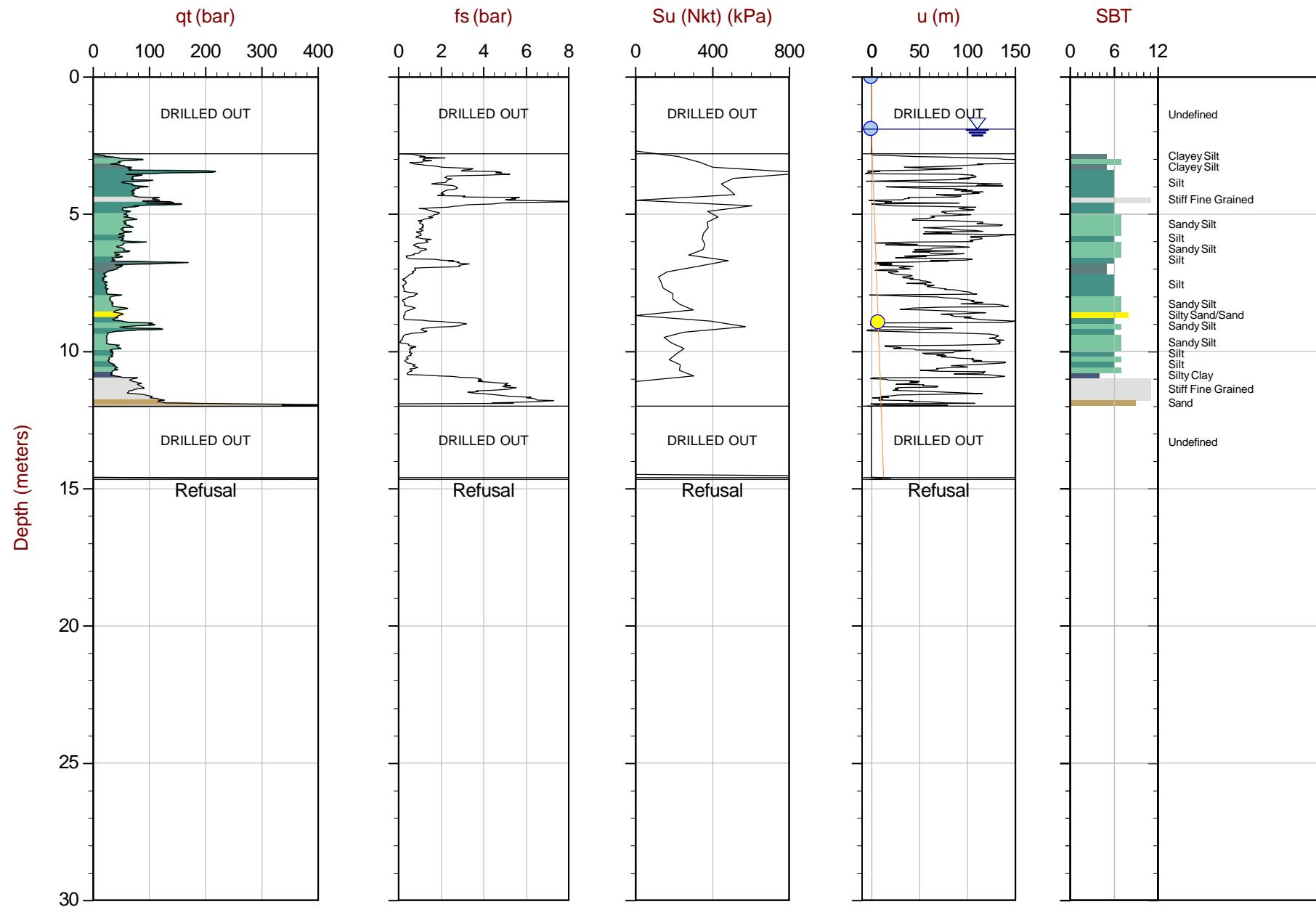








Advanced Cone Penetration Test Plots with
 $S_u(N_{kt})$



Max Depth: 14.675 m / 48.15 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile

File: 14-02091_RS01.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

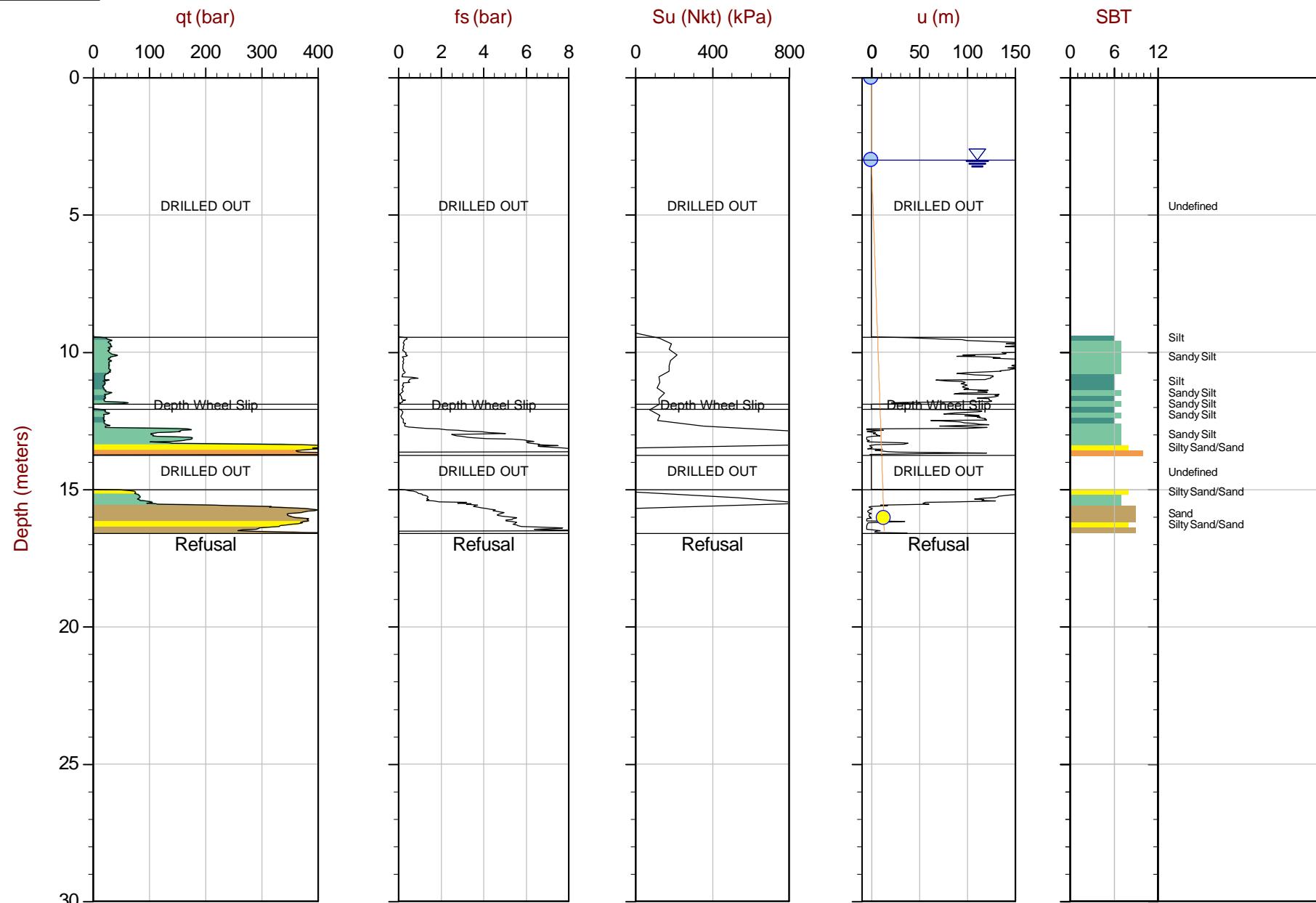
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819871.83m E: 595252.96m Elev: 931.29m

PageNo: 1 of 1

Ueq

Su (eVST)



Max Depth: 16.600 m / 54.46 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item:

Equilibrium Pore Pressure(Ueq) Profile

Assumed Ueq

File: 14-02091_RS02.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

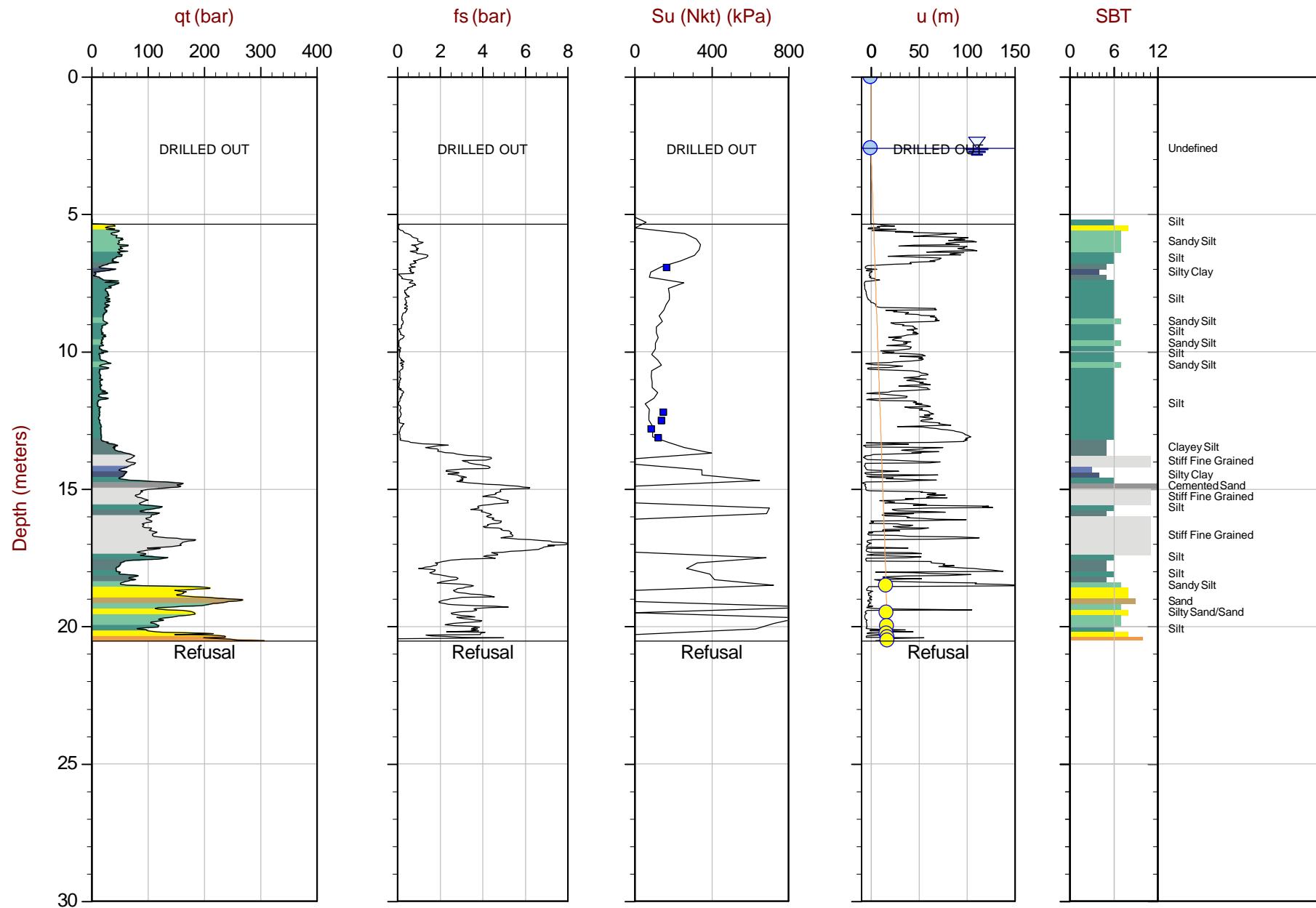
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819956.83m E: 595200.65m Elev: 933.03m

PageNo: 1 of 1

Ueq

Su (eVST)



Max Depth: 20.525 m / 67.34 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: Equilibrium Pore Pressure(Ueq) Profile

File: 14-02091_RS03.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

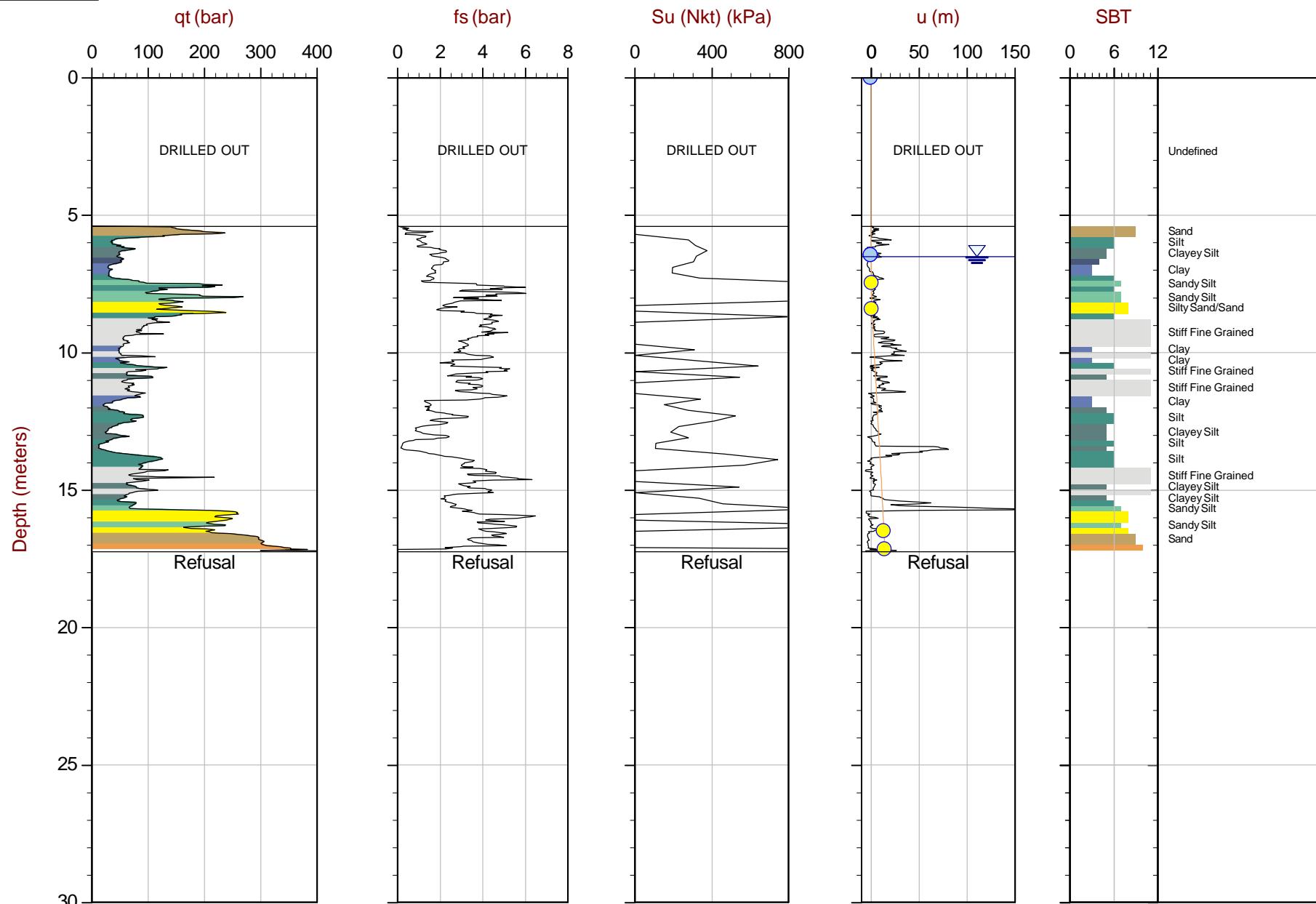
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819937.31m E: 595129.86m Elev: 932.47m

PageNo: 1 of 1

Ueq

Su (eVST)



Max Depth: 17.250 m / 56.59 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile

File: 14-02091_RS04.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

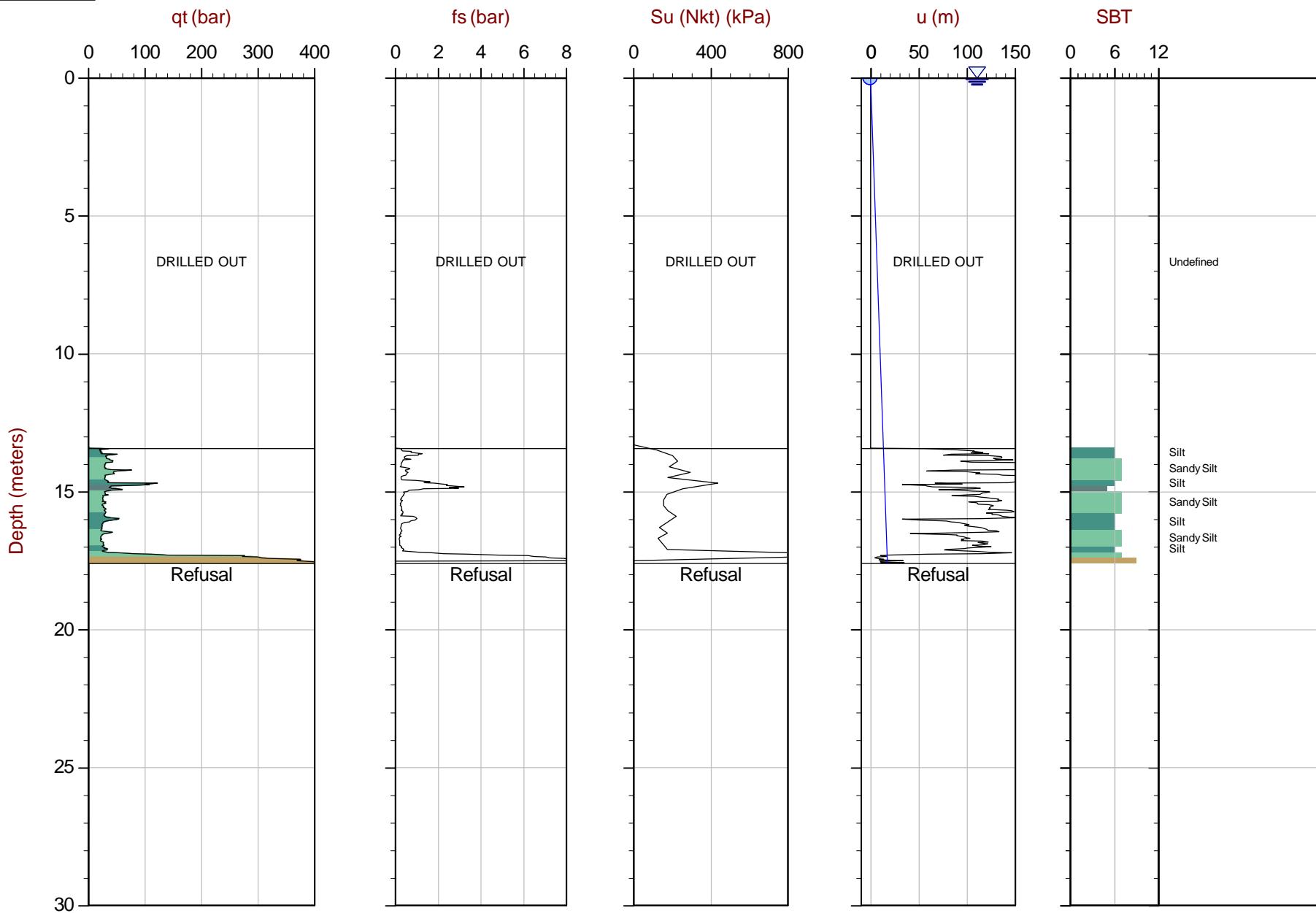
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819912.66m E: 595105.56m Elev: 932.27m

PageNo: 1 of 1

● Ueq

■ Su (eVST)



Max Depth: 17.600 m / 57.74 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS05.COR
Unit Wt: SBT Chart Soil Zones
Su Nkt: 15.0

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819924.42m E: 595188.02m Elev: 937.43m
Page No: 1 of 1

Overplot Item:

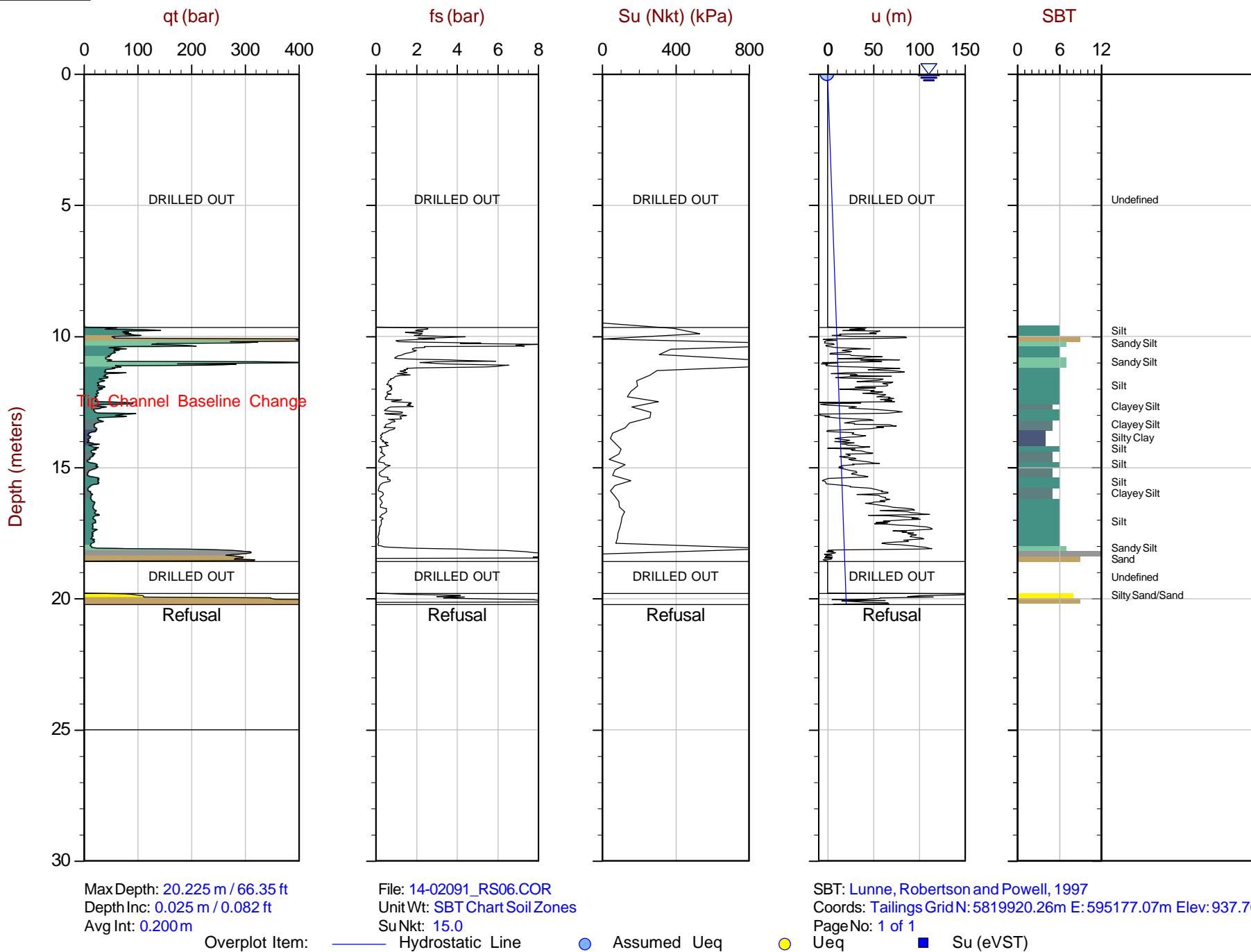
Hydrostatic Line

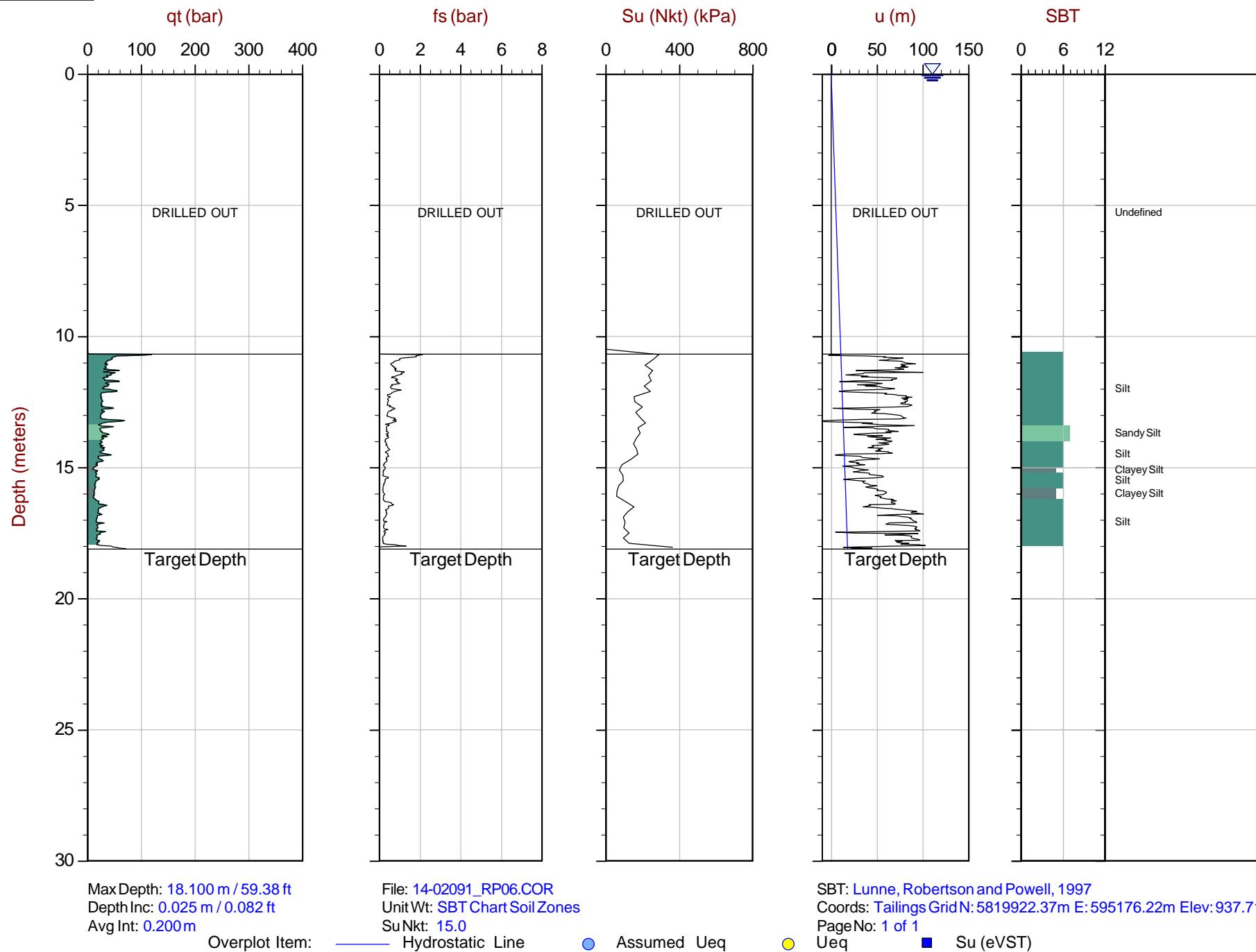
○ Assumed Ueq

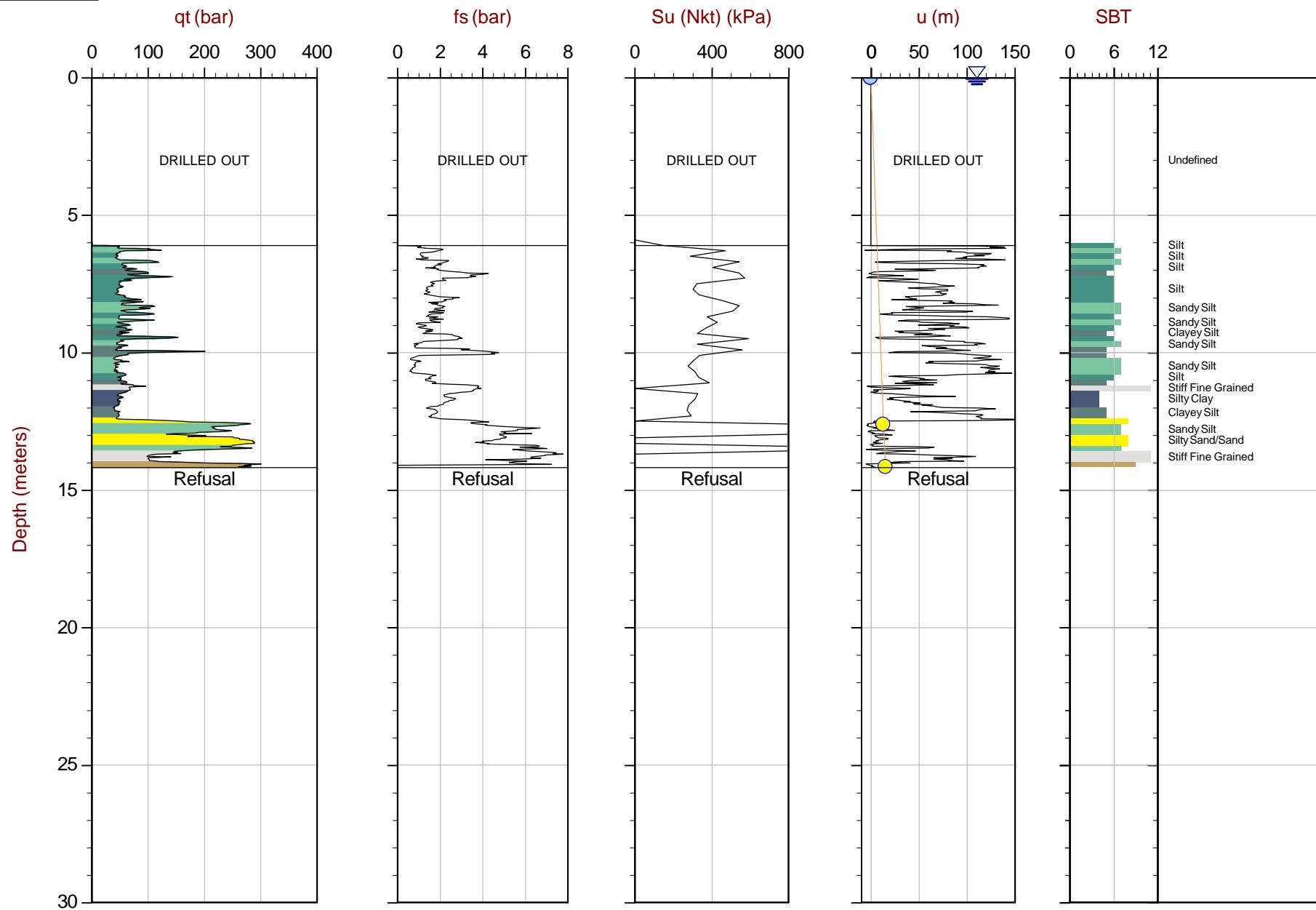
Page
Ueq

U_{eq}

Su (eVST)







Max Depth: 14.175 m / 46.51 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile

● Assumed Ueq

File: 14-02091_RS07.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

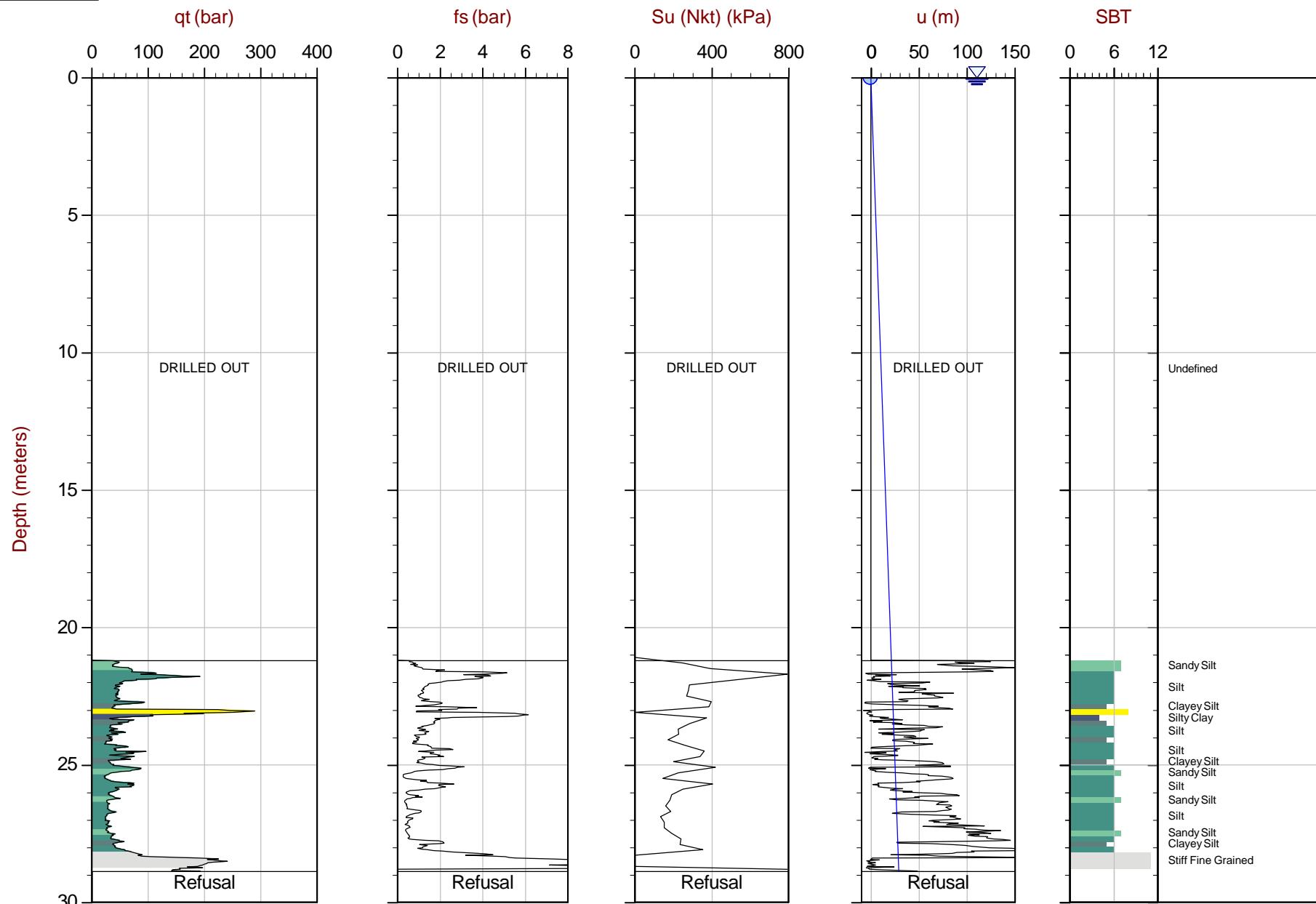
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819902.21m E: 595053.58m Elev: 931.58m

PageNo: 1 of 1

● Ueq

● Su (eVST)



Max Depth: 28.875 m / 94.73 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200 m

File: 14-02091_RS08.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

Overplot Item:

Hydrostatic Line

Assumed Ueq

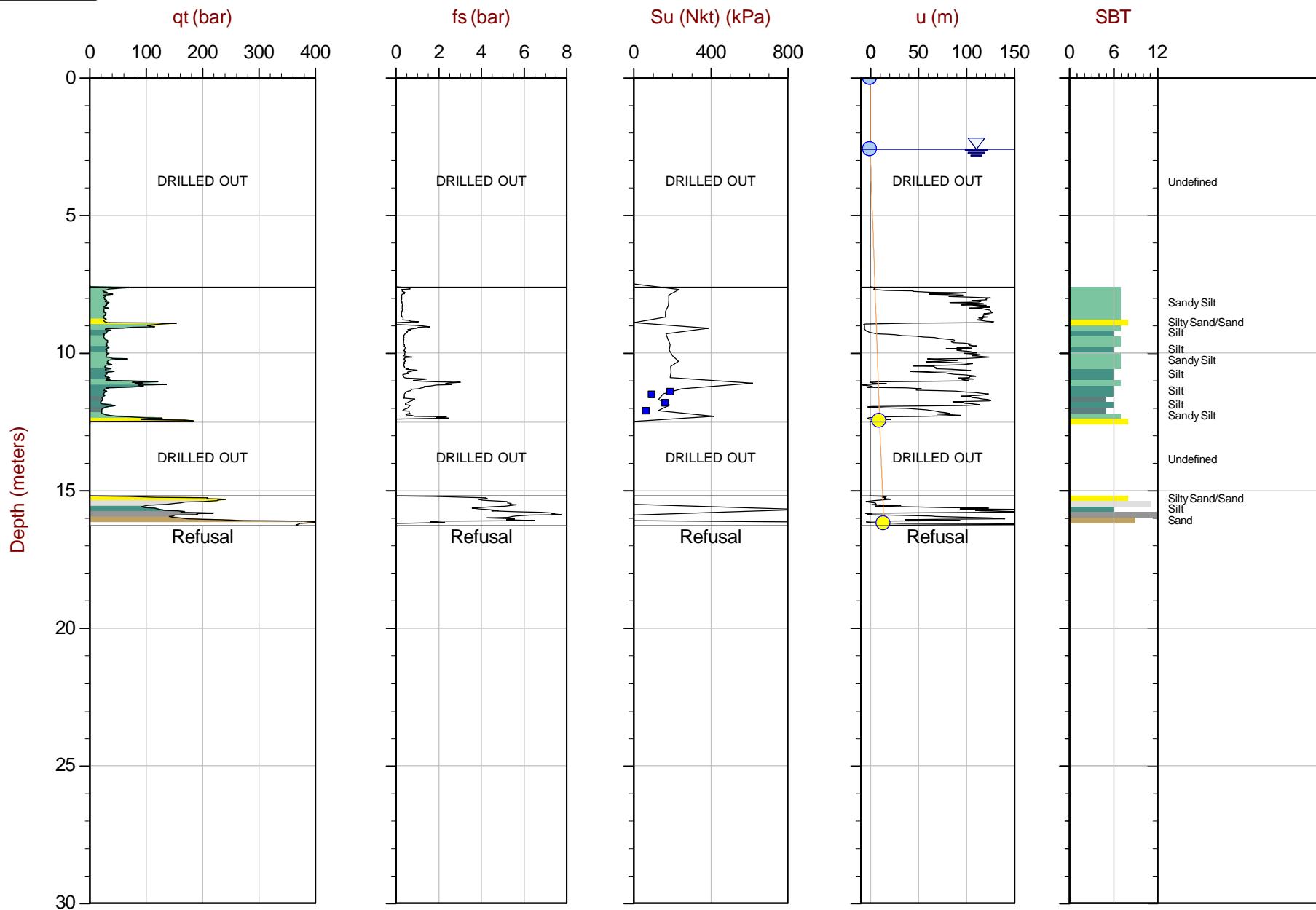
Ueq

Su (eVST)

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819890.40m E: 595169.41m Elev: 947.50m

PageNo: 1 of 1



Max Depth: 16.275 m / 53.40 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item

File: 14-02091_RS10.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

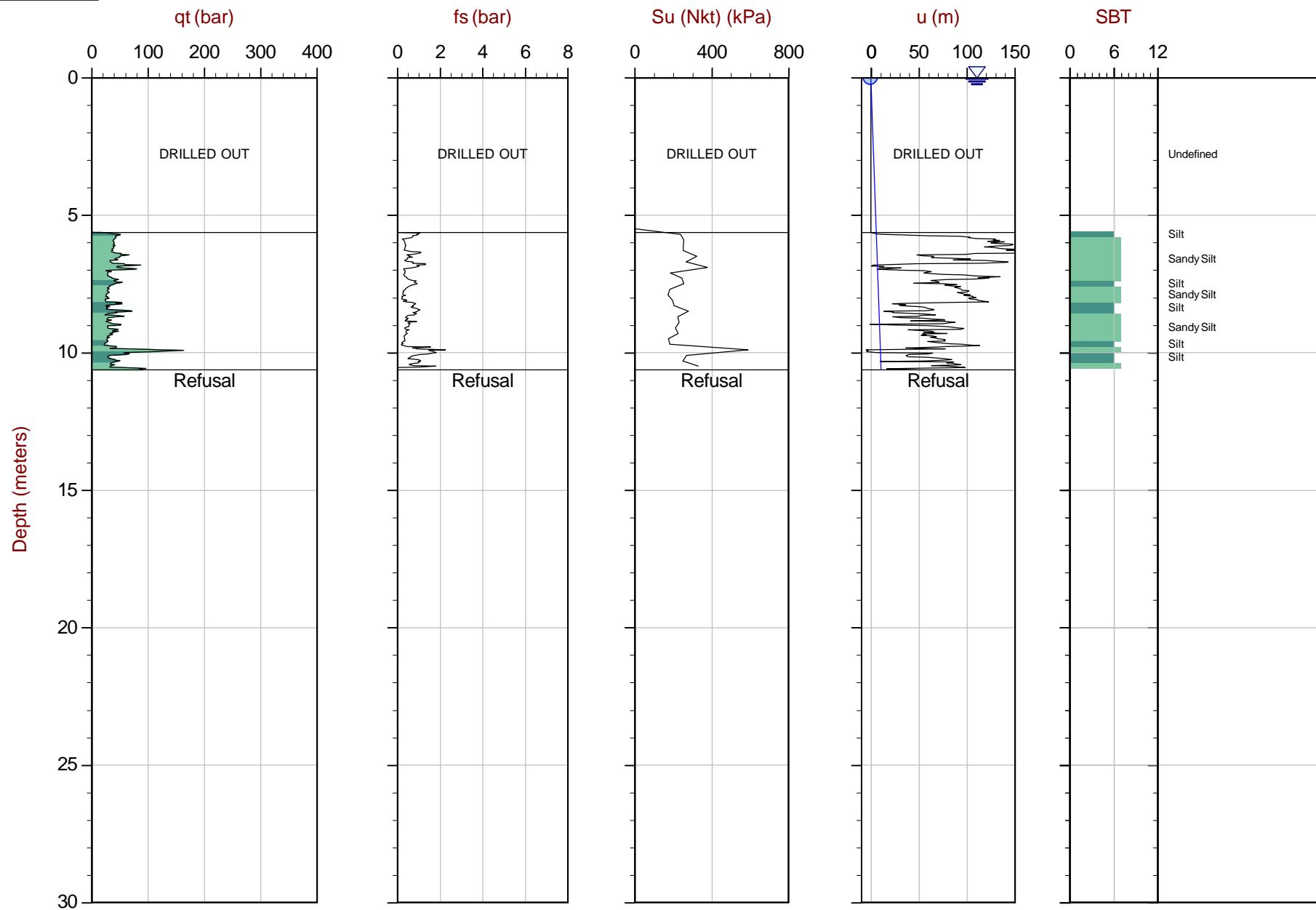
Vore Pressure(

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N:5819967.55m E:595151.21m Elev:932.24m

Page No: 1 of 1

Ueq ■ Su (eVST)



Max Depth: 10.625 m / 34.86 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200 m

File: 14-02091_RS11.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

Overplot Item:

Hydrostatic Line

Assumed Ueq

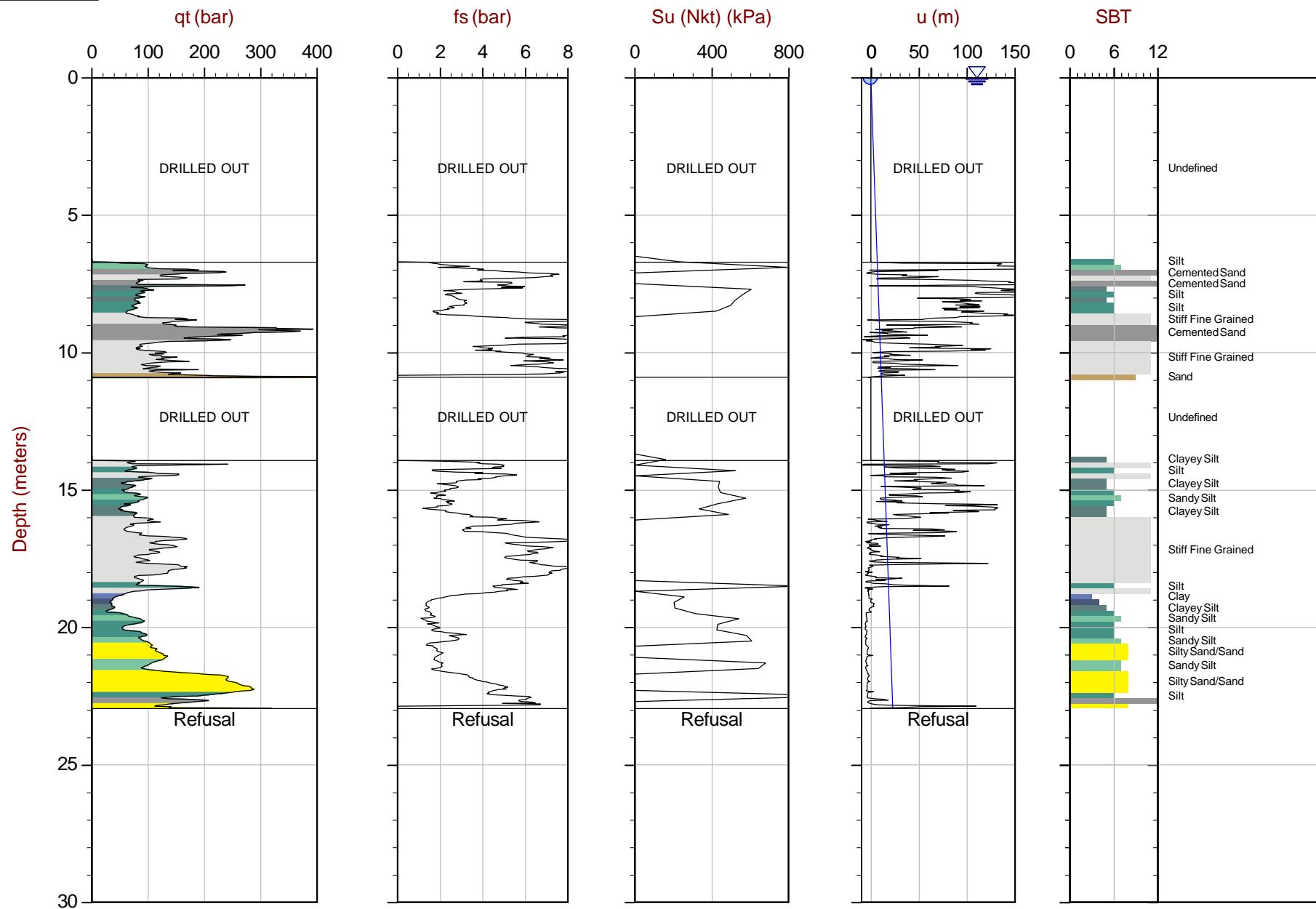
Ueq

Su (eVST)

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819991.32m E: 595169.95m Elev: 931.06m

PageNo: 1 of 1



Max Depth: 22.950 m / 75.29 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200 m

File: 14-02091_RS13.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

Overplot Item:

Hydrostatic Line

Assumed Ueq

Ueq

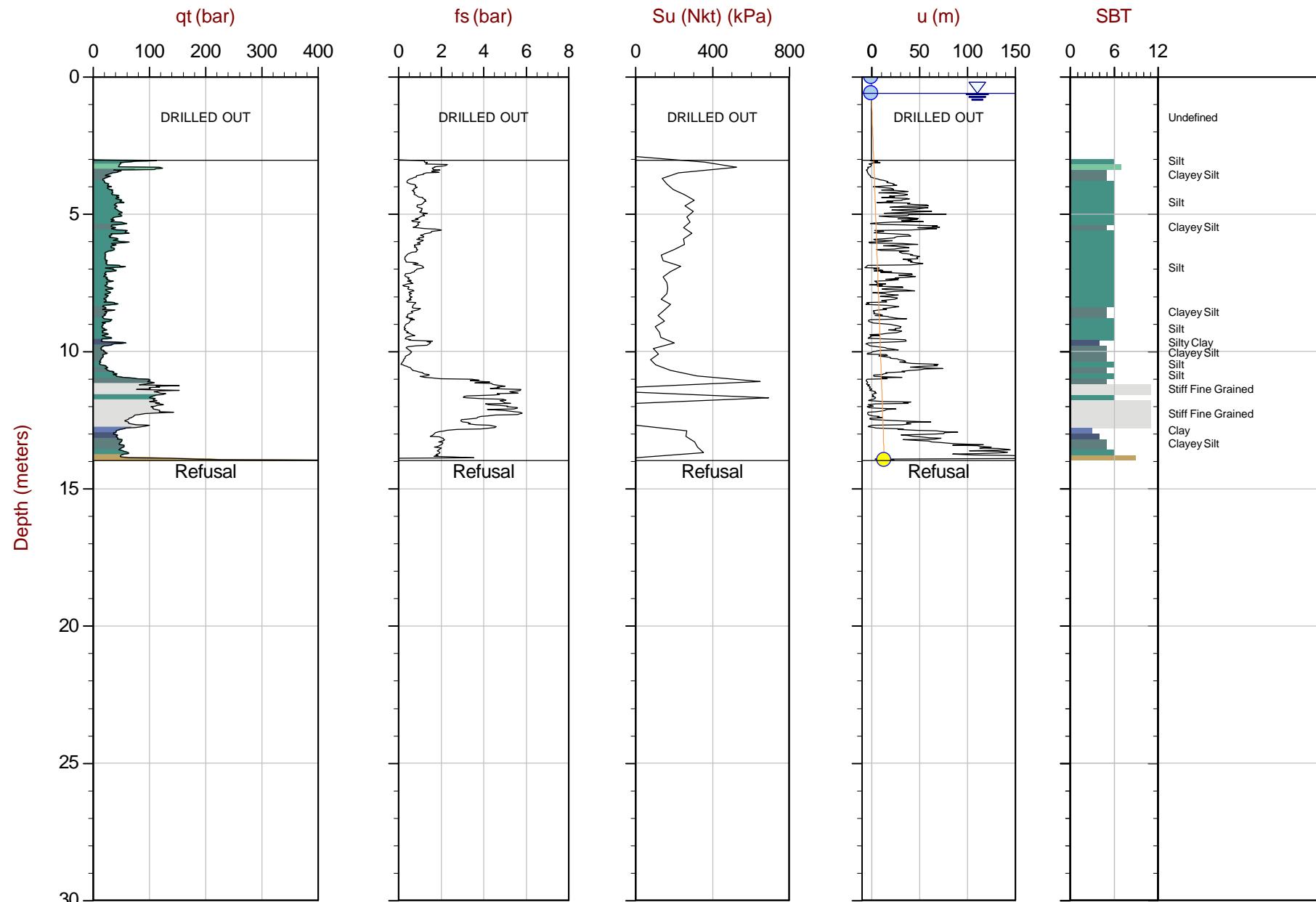
Su (eVST)

SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819770.00m E: 595407.00m Elev: 933.06m

PageNo: 1 of 1

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



Max Depth: 13.975 m / 45.85 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile

Profile

● Assumed Ueq

File: 14-02091_RS14.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

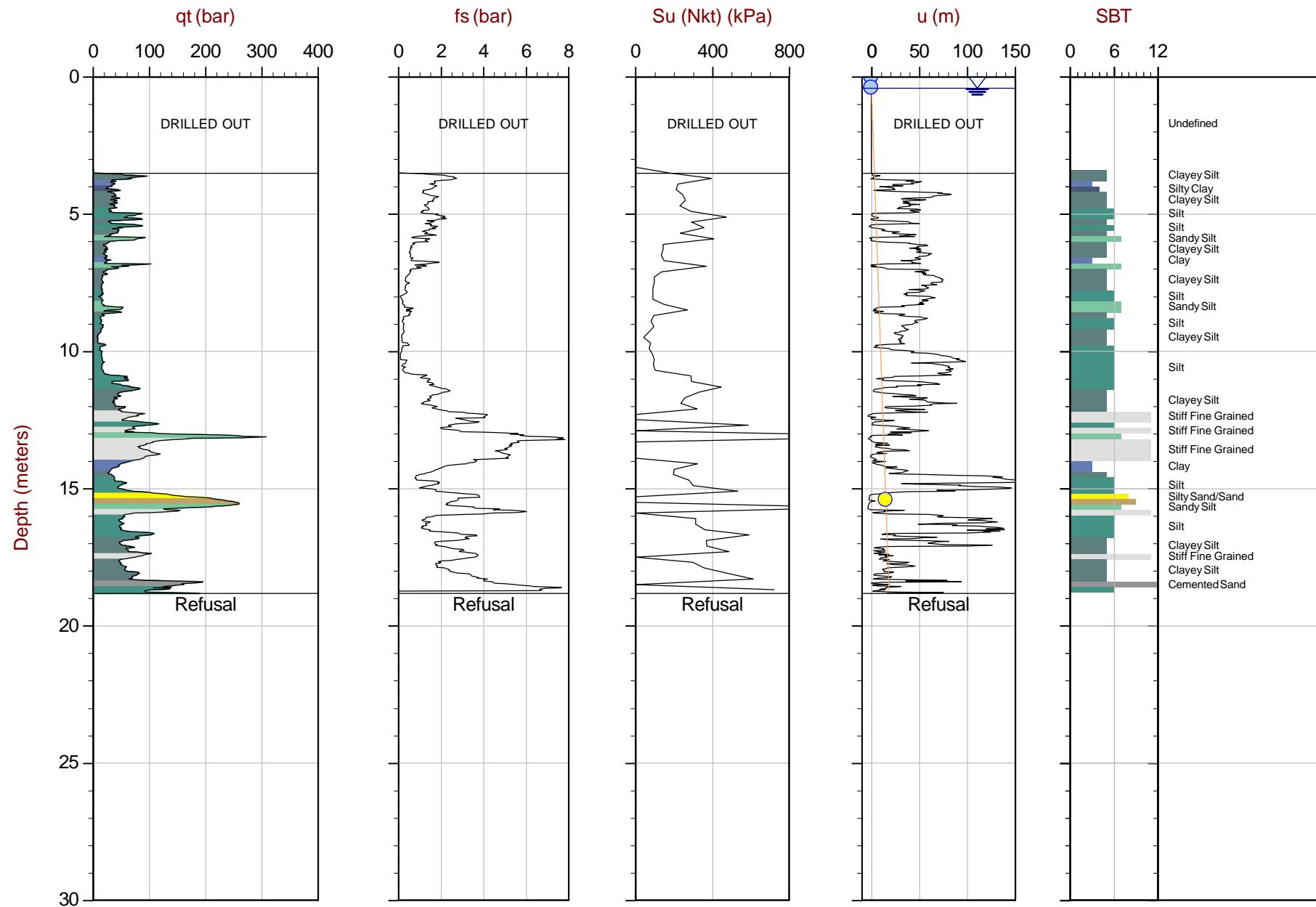
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819937.03m E: 595100.52m Elev: 930.45m

PageNo: 1 of 1

● Ueq

● Su (eVST)



Max Depth: 18.825 m / 61.76 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item:

Equilibrium Pore Pressure(Ueq) Profile

Assumed Ueq

File: 14-02091_RS15.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

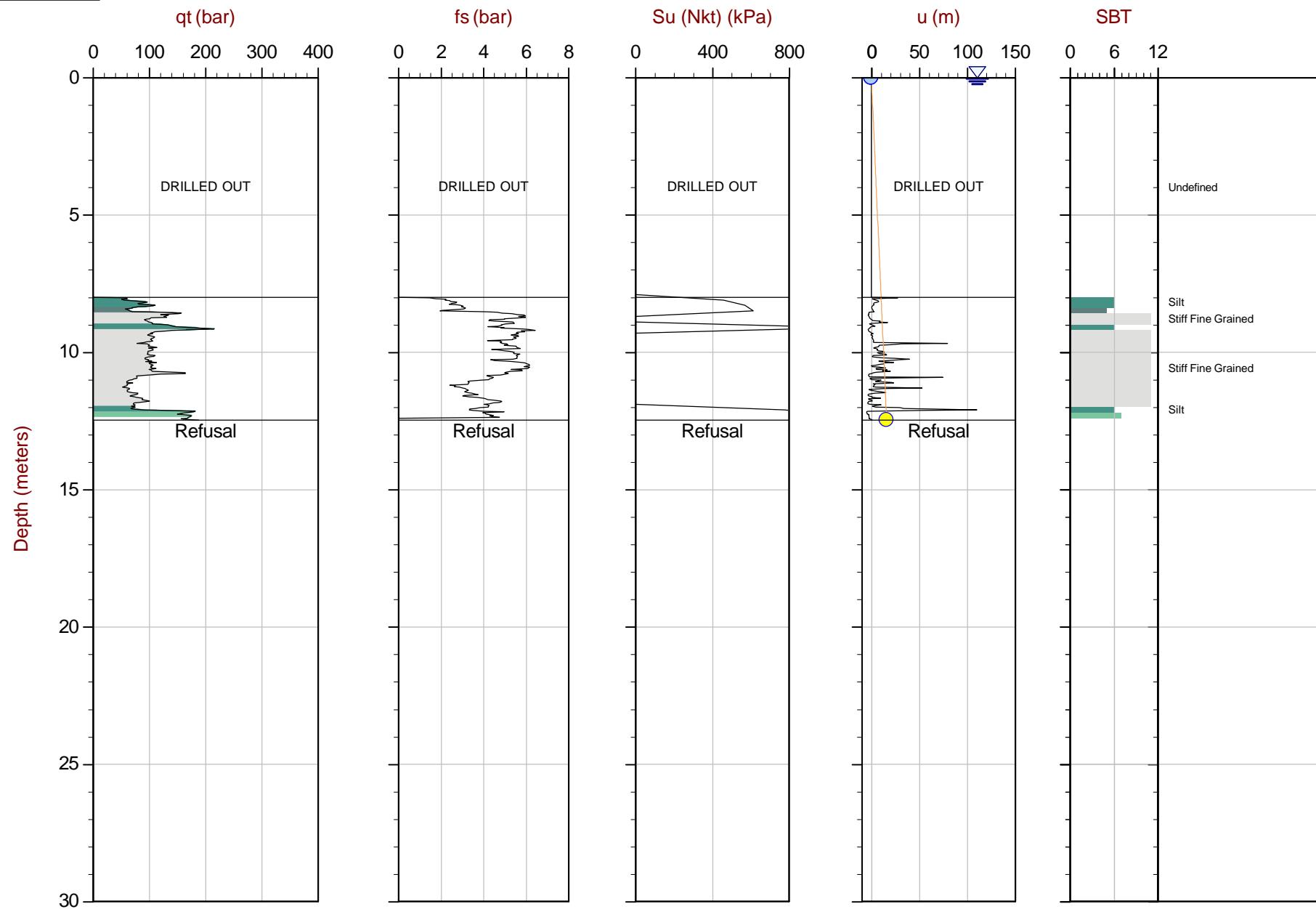
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819960.89m E: 595100.02m Elev: 930.20m

PageNo: 1 of 1

Ueq

Su (eVST)



Max Depth: 12.475 m / 40.93 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile

File: 14-02091_RS16B.COR

Unit Wt: SBT Chart Soil Zones

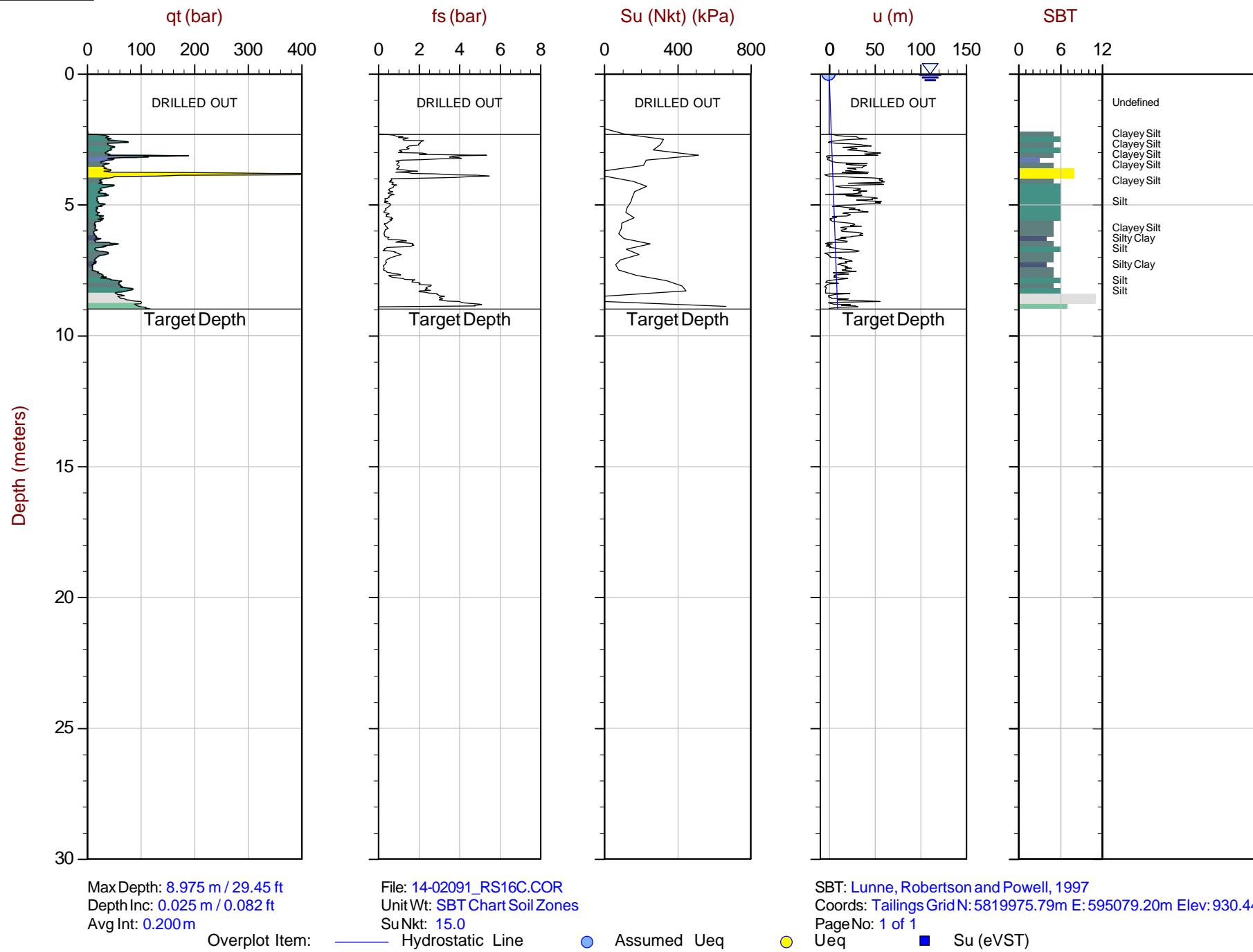
SuNkt: 15.0

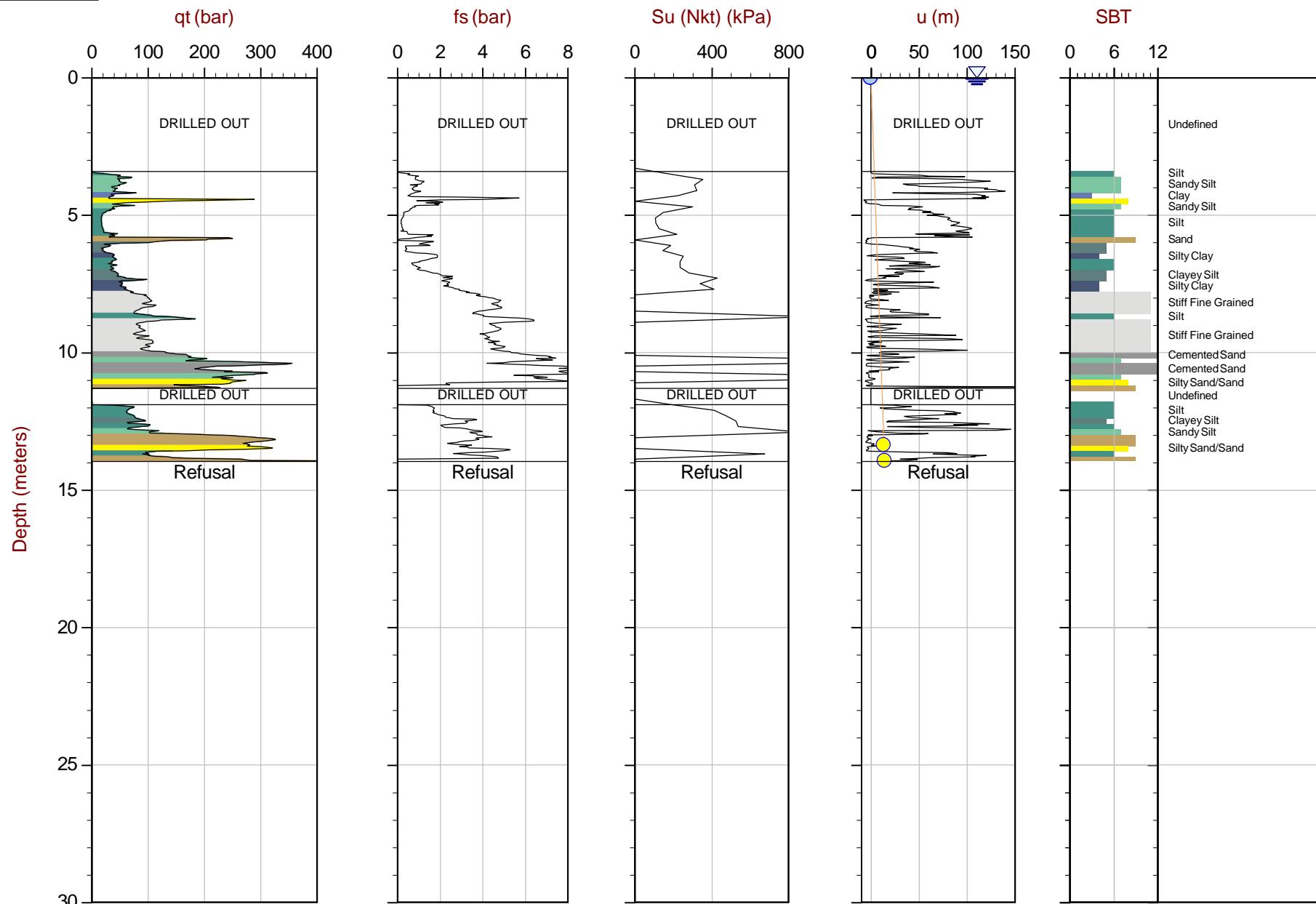
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819976.38m E: 595078.31m Elev: 930.28m

PageNo: 1 of 1

● U_{eq} ■ U_e (eVST)





Max Depth: 13.950 m / 45.77 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: Equilibrium Pore Pressure(Ueq) Profile

File: 14-02091_RS17.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

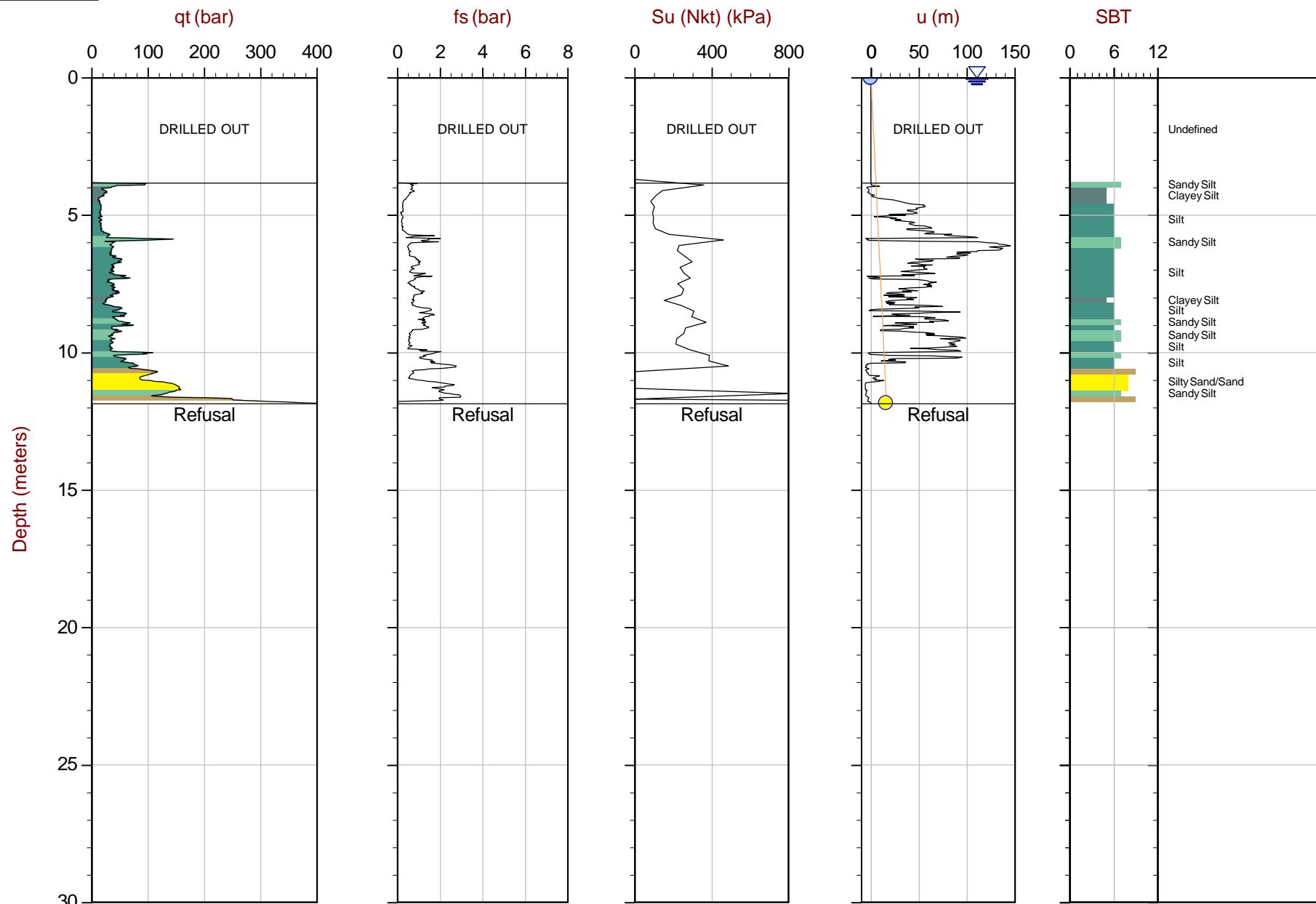
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5819994.09m E: 595086.97m Elev: 929.99m

PageNo: 1 of 1

Ueq

Su (eVST)



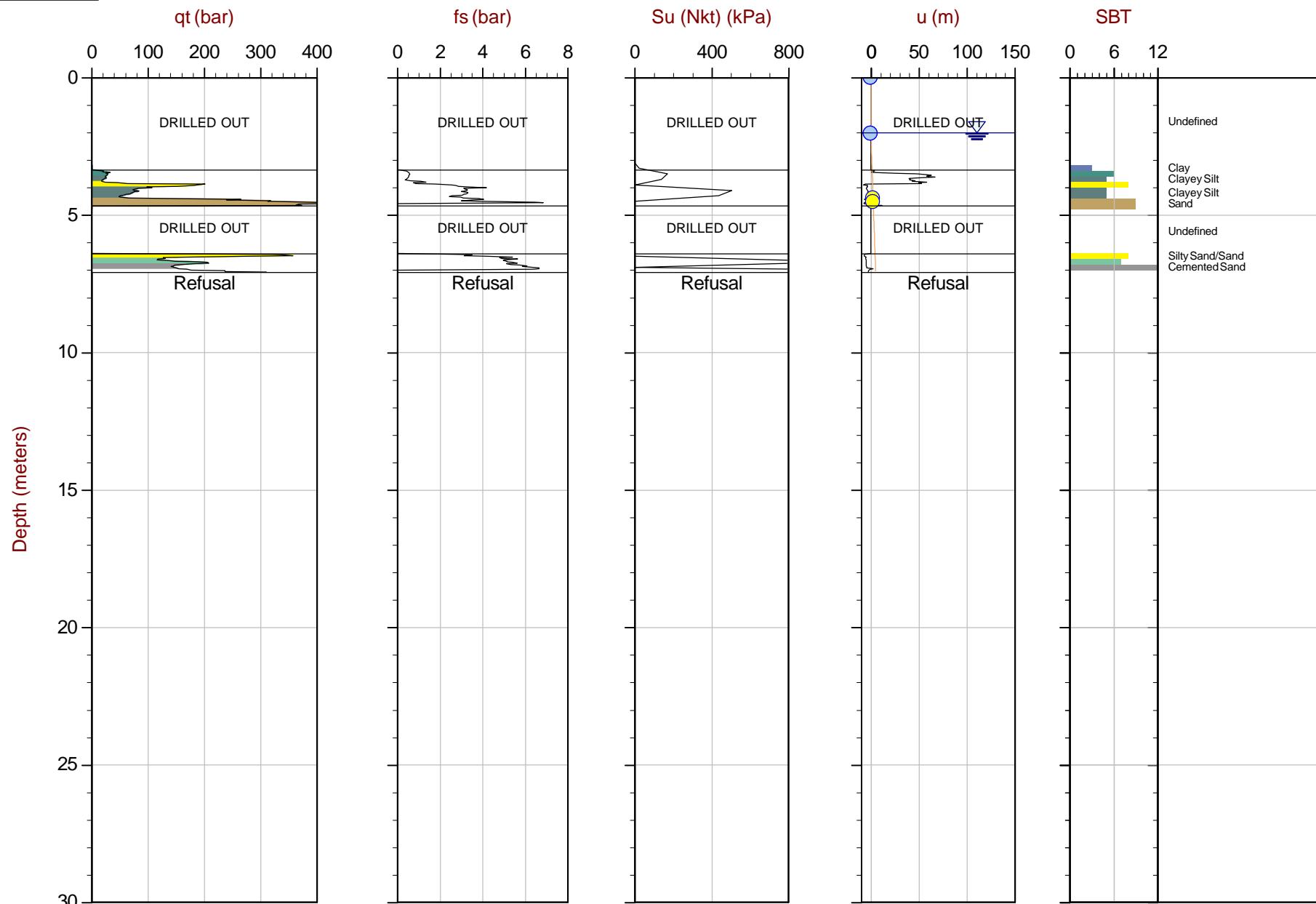
Max Depth: 11.850 m / 38.88 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq}
 File: 14-02091_RS18.COR
 Unit Wt: SBT Chart Soil Zones
 SuNkt: 15.0

 SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5820025.89m E: 595012.98m Elev: 934.84m
 PageNo: 1 of 1
 ● U_{eq} ■ Su (eVST)



Max Depth: 7.075 m / 23.21 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile

Profile

● Assumed Ueq

File: 14-02091_RS19.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

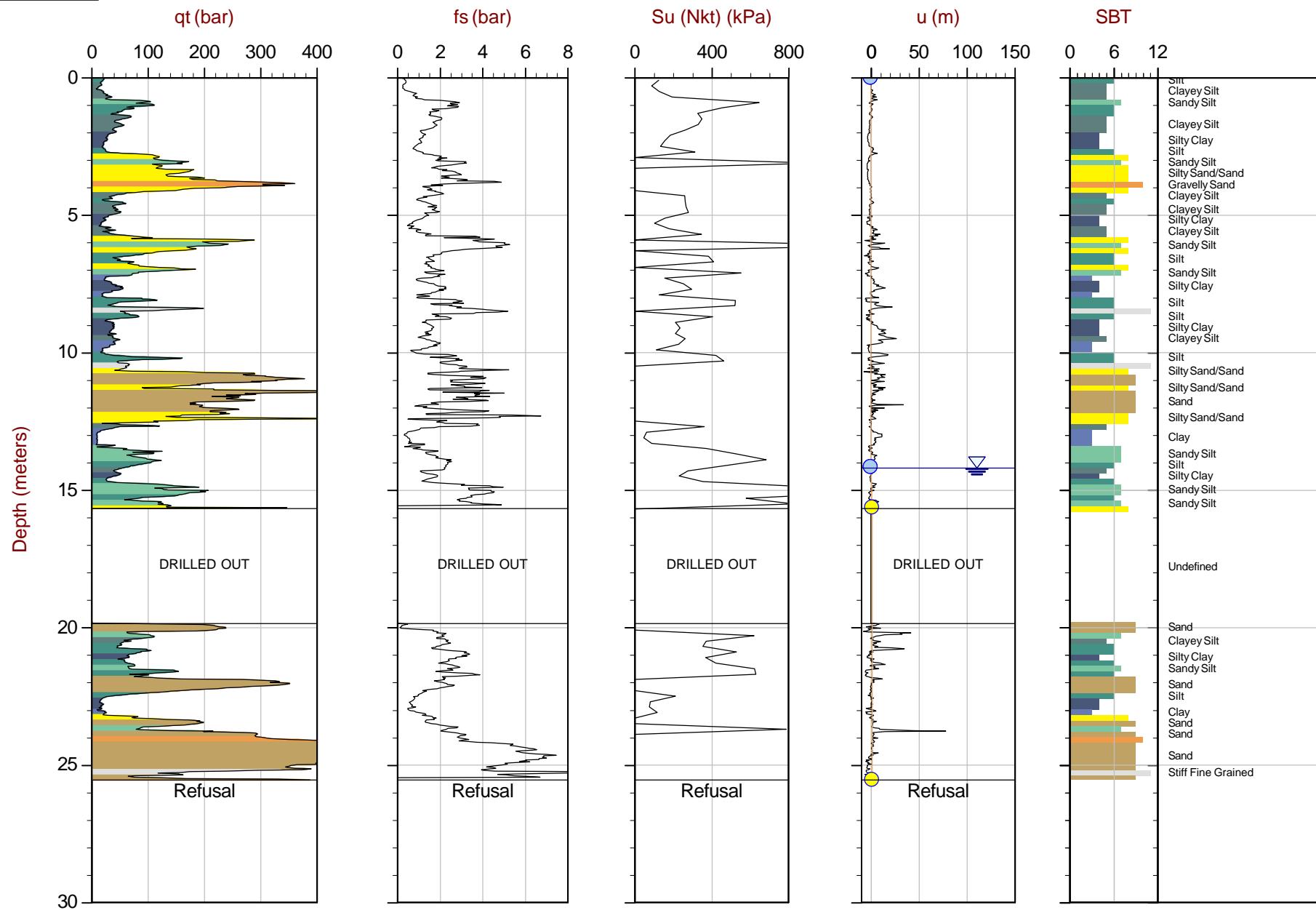
SBT: Lunne, Robertson and Powell, 1997

Coords: Tailings Grid N: 5820043.69m E: 594886.51m Elev: 942.66m

PageNo: 1 of 1

● Ueq

● Su (eVST)



File: 14-02091_RS21.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

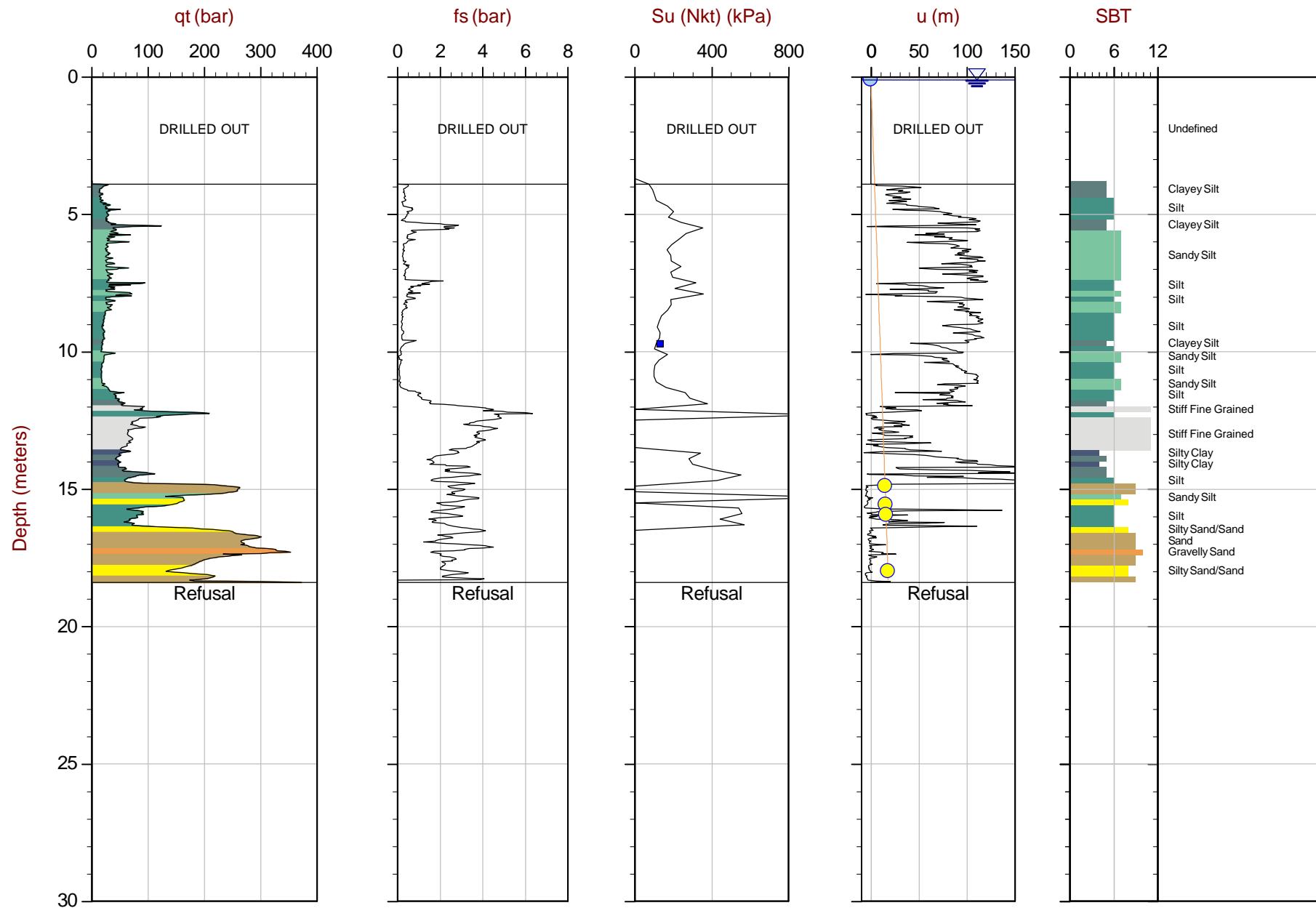
Overplot Item: Equilibrium Pore Pressure(Ueq) Profile Assumed Ueq Ueq Su (eVST)

Coords: Tailings Grid N: 5819715.00m E: 595334.00m Elev: 968.91m

PageNo: 1 of 1

SNT: Lunne, Robertson and Powell, 1997

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



Max Depth: 18.400 m / 60.37 ft

Depth Inc: 0.025 m / 0.082 ft

Avg Int: 0.200m

Overplot Item:

Equilibrium Pore Pressure(Ueq) Profile

Assumed Ueq

File: 14-02091_RS22.COR

Unit Wt: SBT Chart Soil Zones

SuNkt: 15.0

SBT: Lunne, Robertson and Powell, 1997

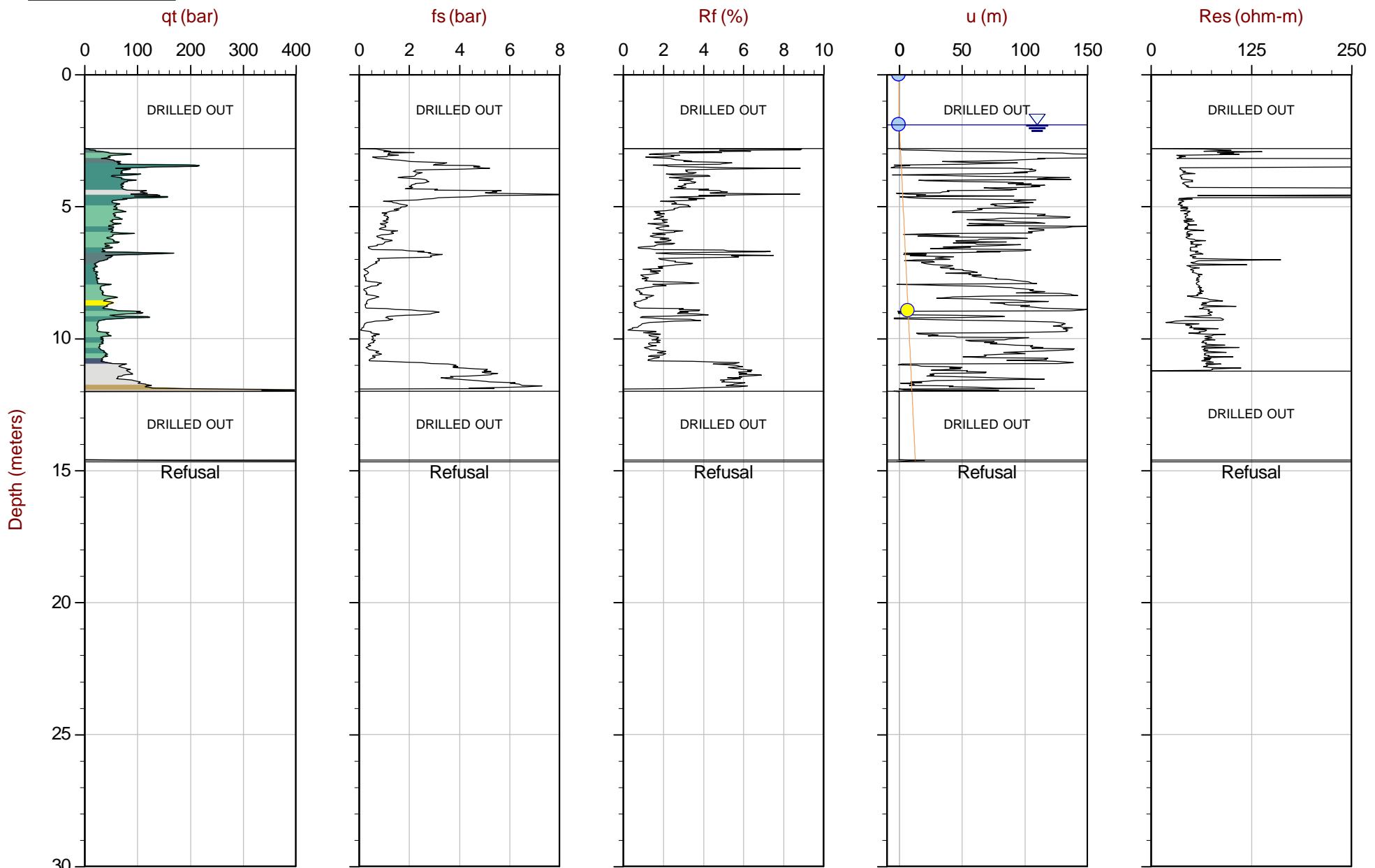
Coords: Tailings Grid N: 5819981.72m E: 595124.54m Elev: 929.77m

PageNo: 1 of 1

Ueq

Su (eVST)

Resistivity Cone Penetration Test Plots

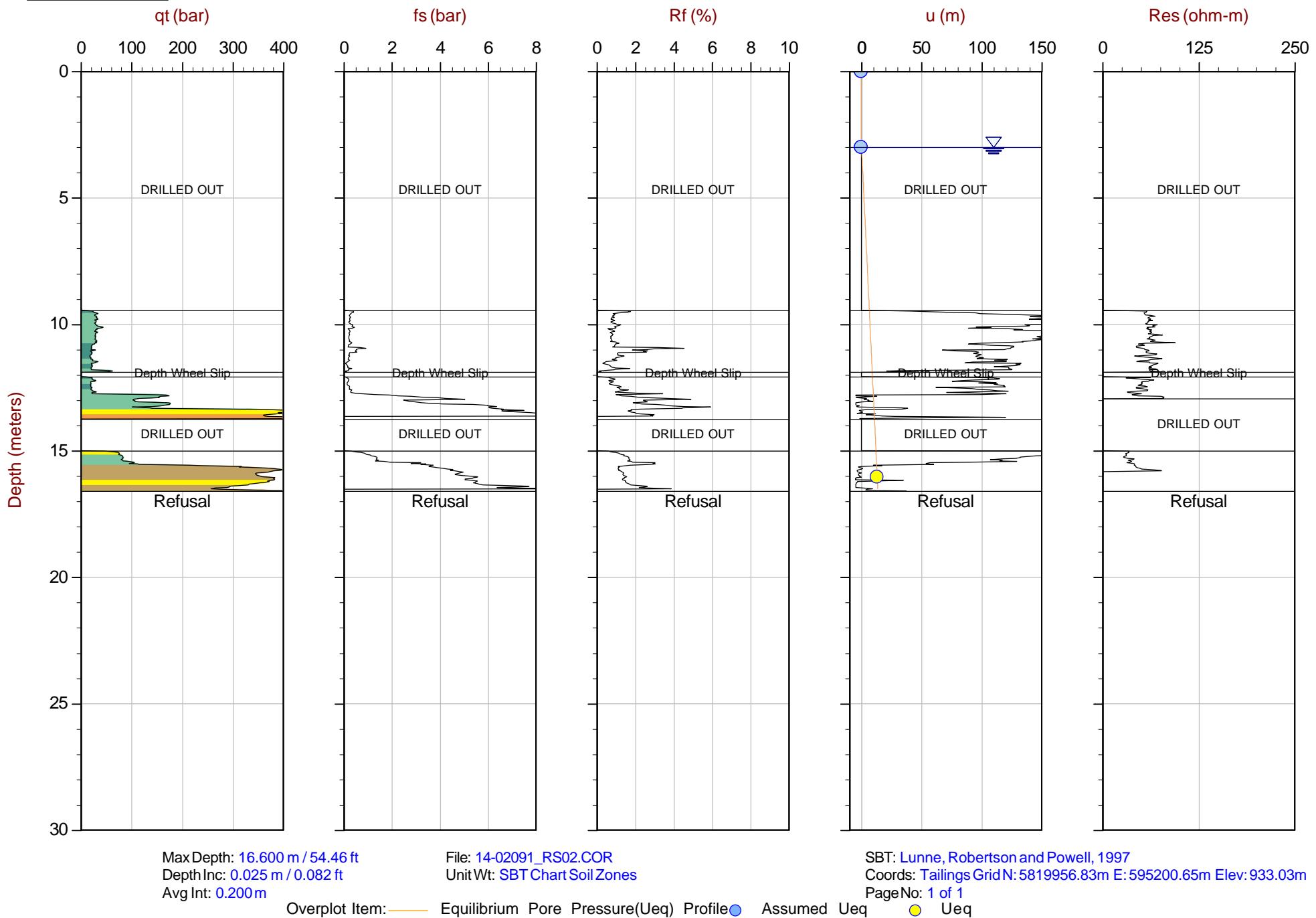


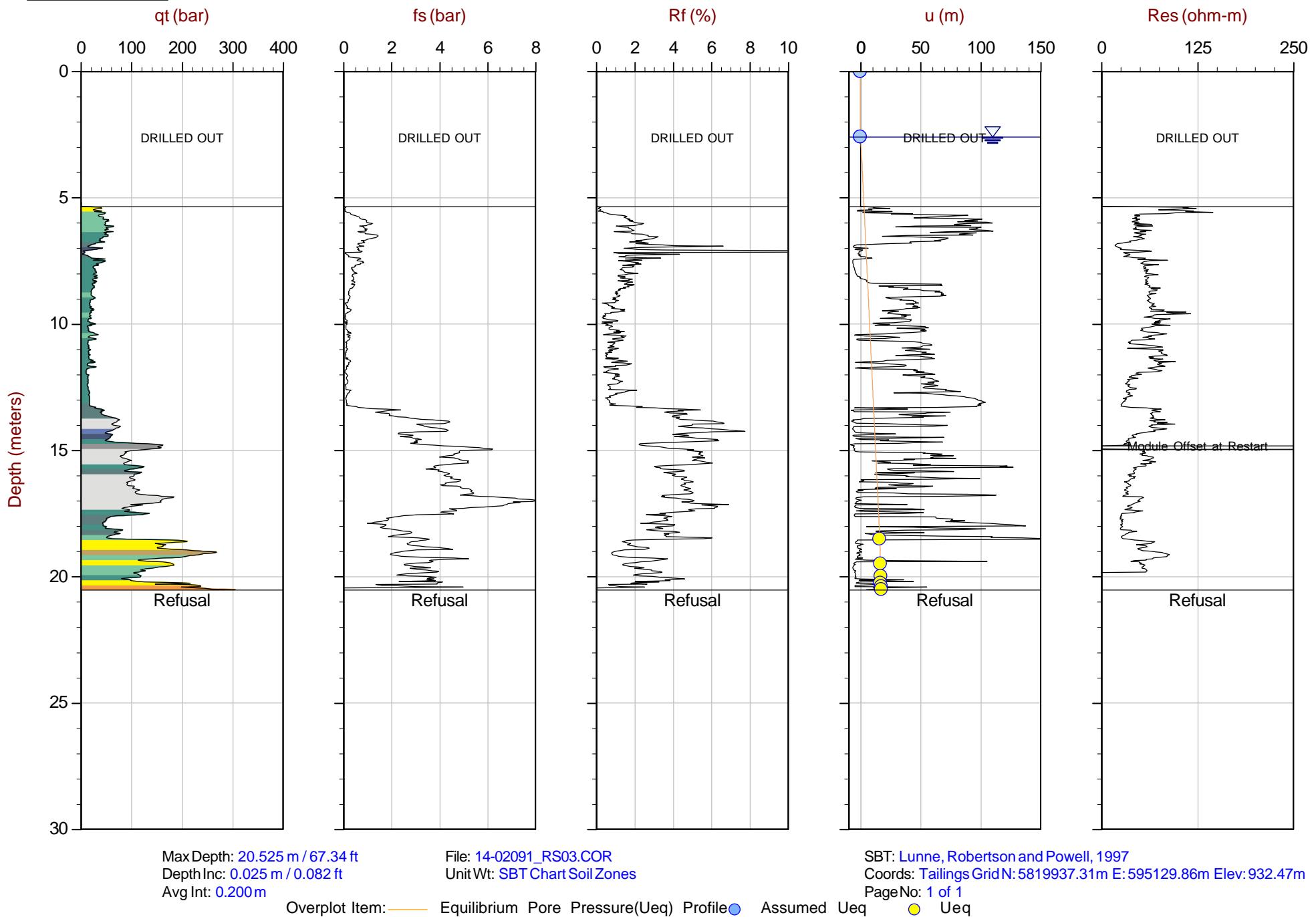
Max Depth: 14.675 m / 48.15 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200m

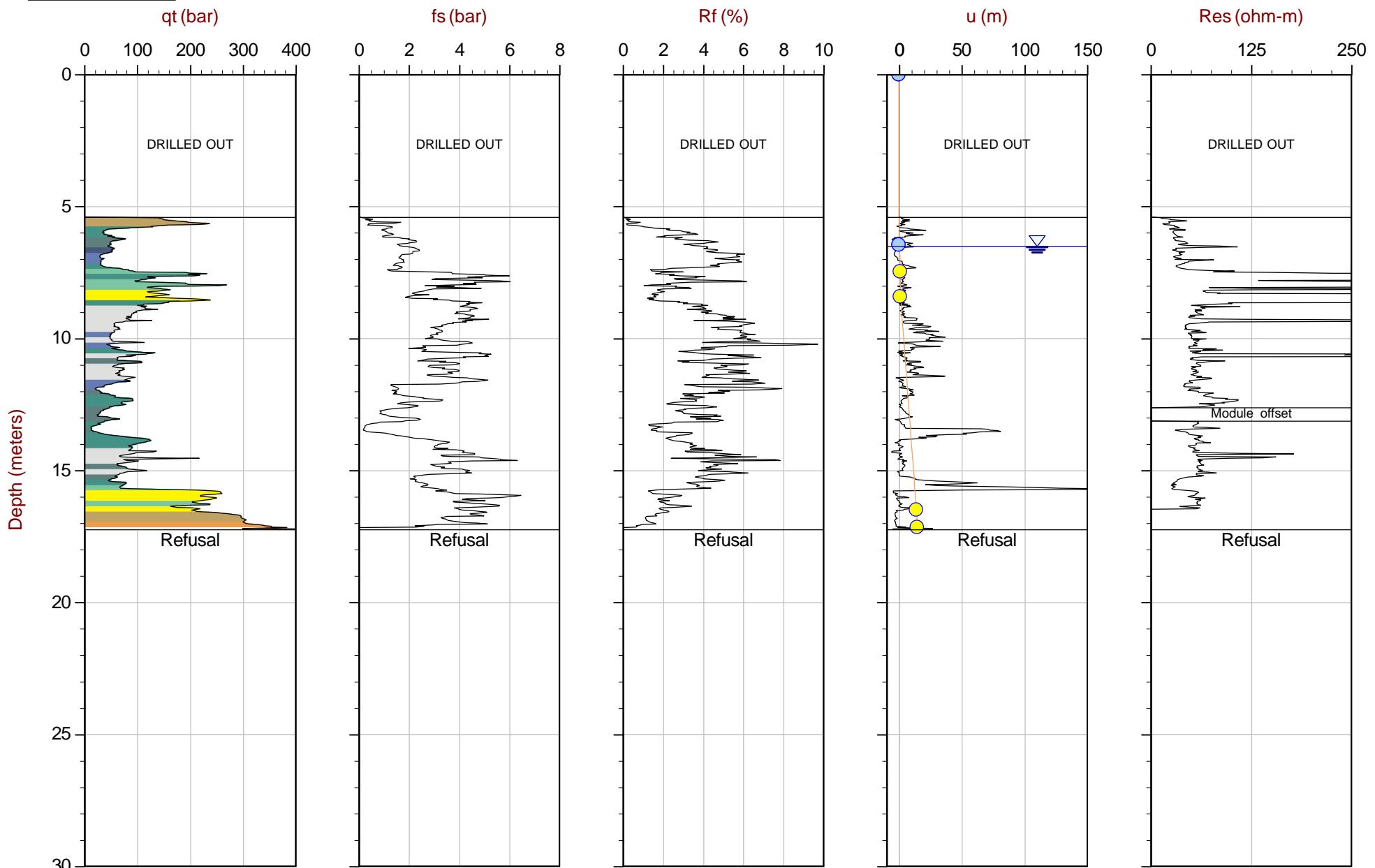
File: 14-02091_RS01.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819871.83m E: 595252.96m Elev: 931.29m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq





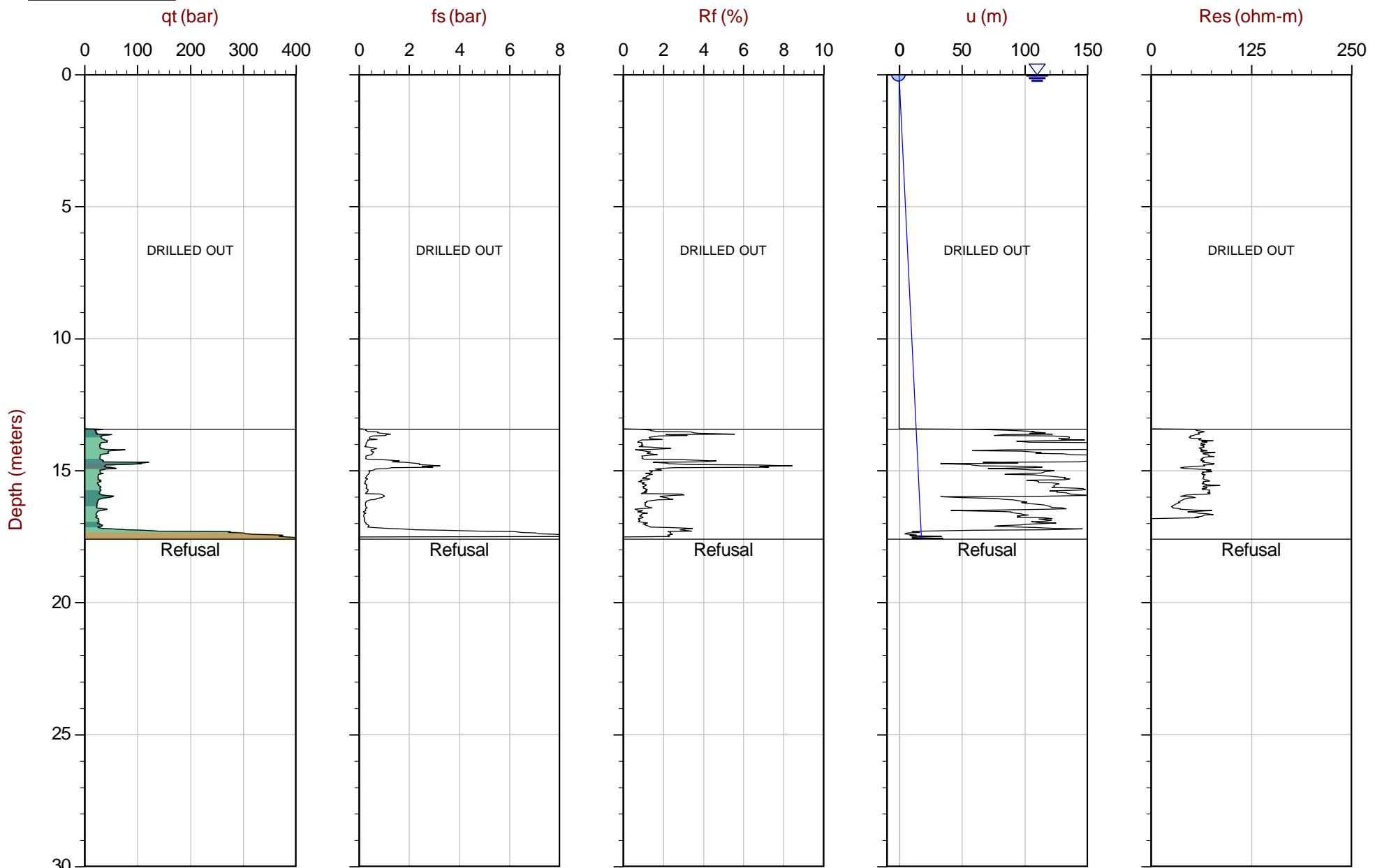


Max Depth: 17.250 m / 56.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS04.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819912.66m E: 595105.56m Elev: 932.27m
PageNo: 1 of 1

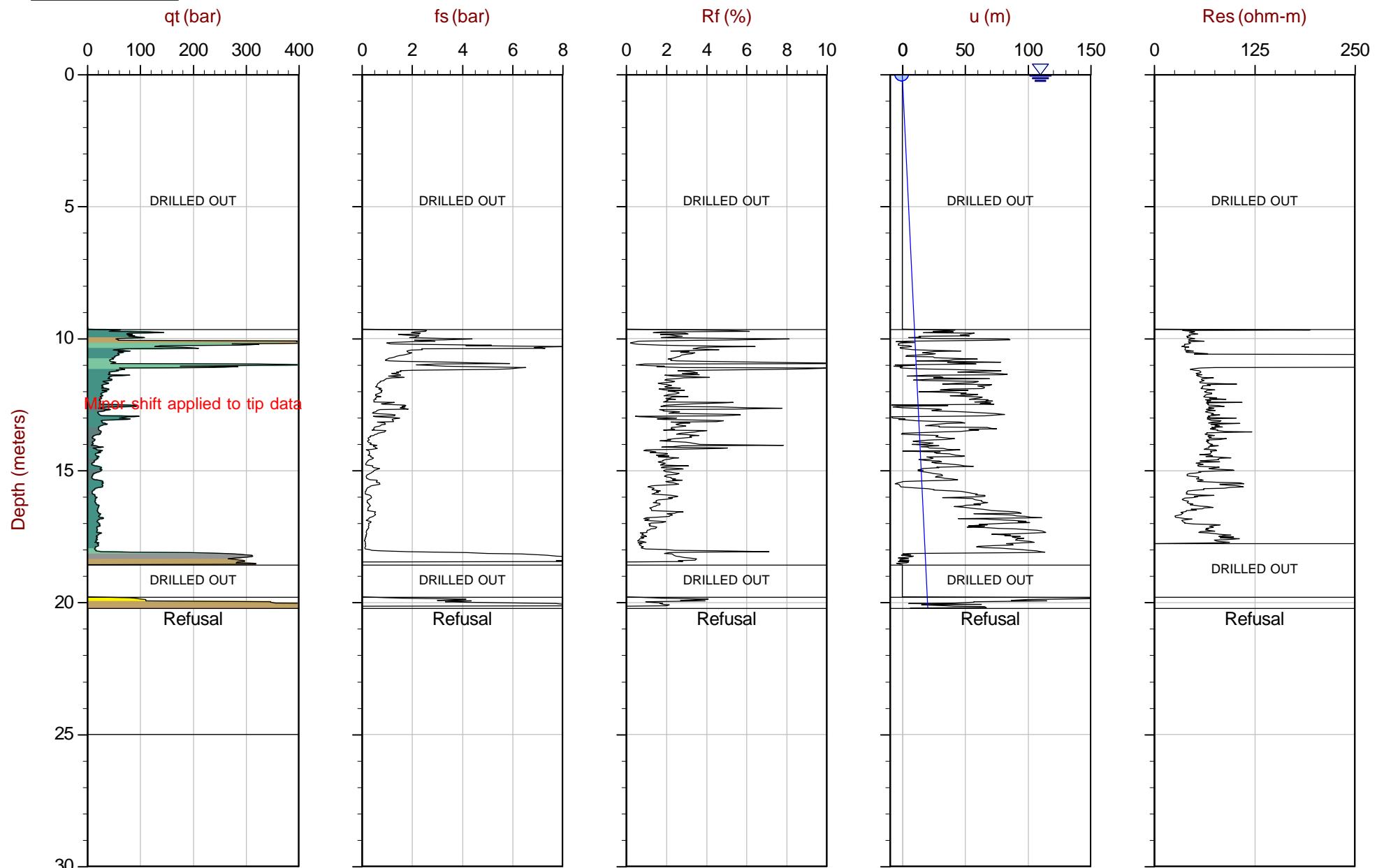
Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq



Overplot Item:

Hydrostatic Line

Assumed Ueq Ueq

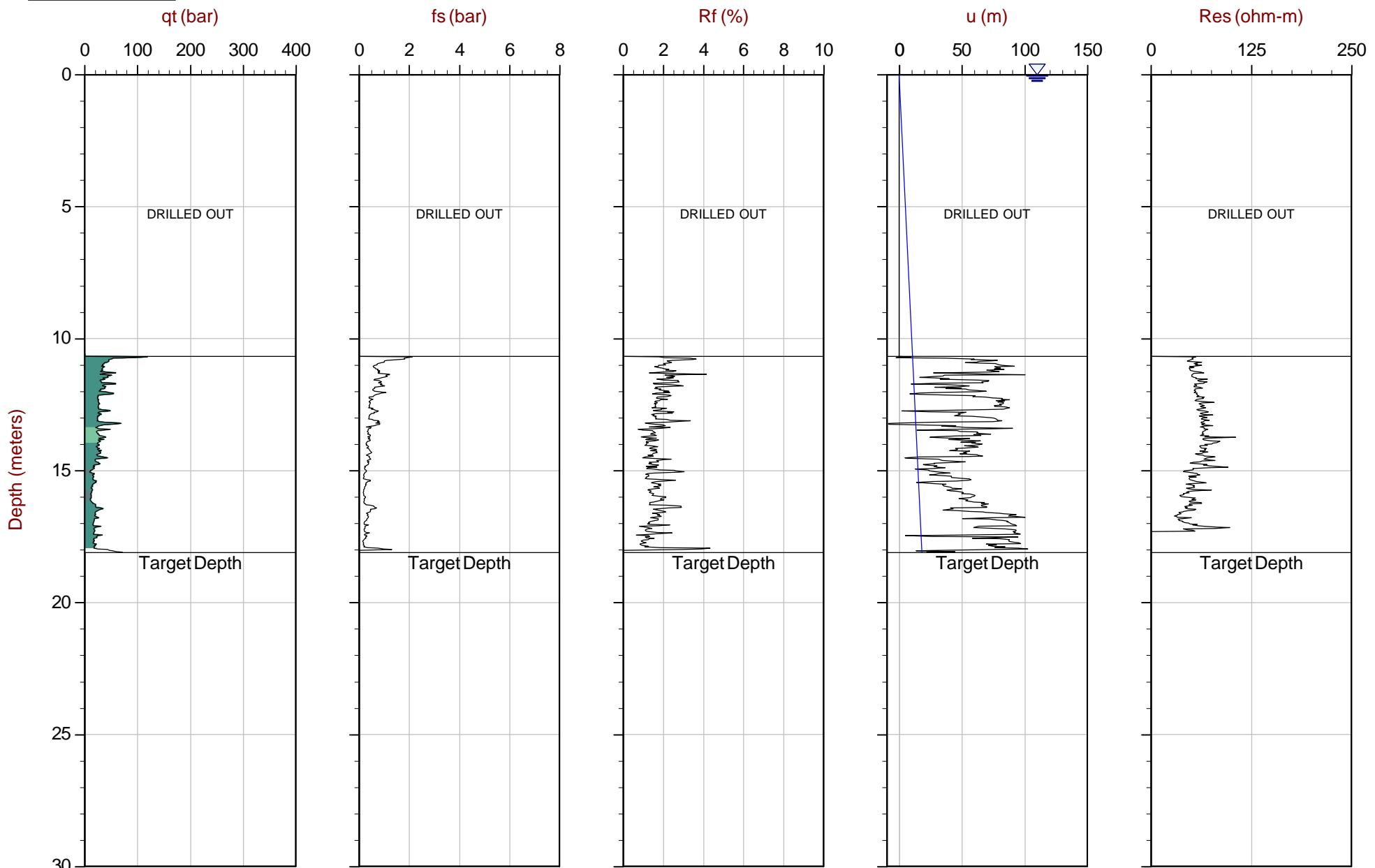


Max Depth: 20.225 m / 66.35 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS06.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819920.26m E: 595177.07m Elev: 937.76m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



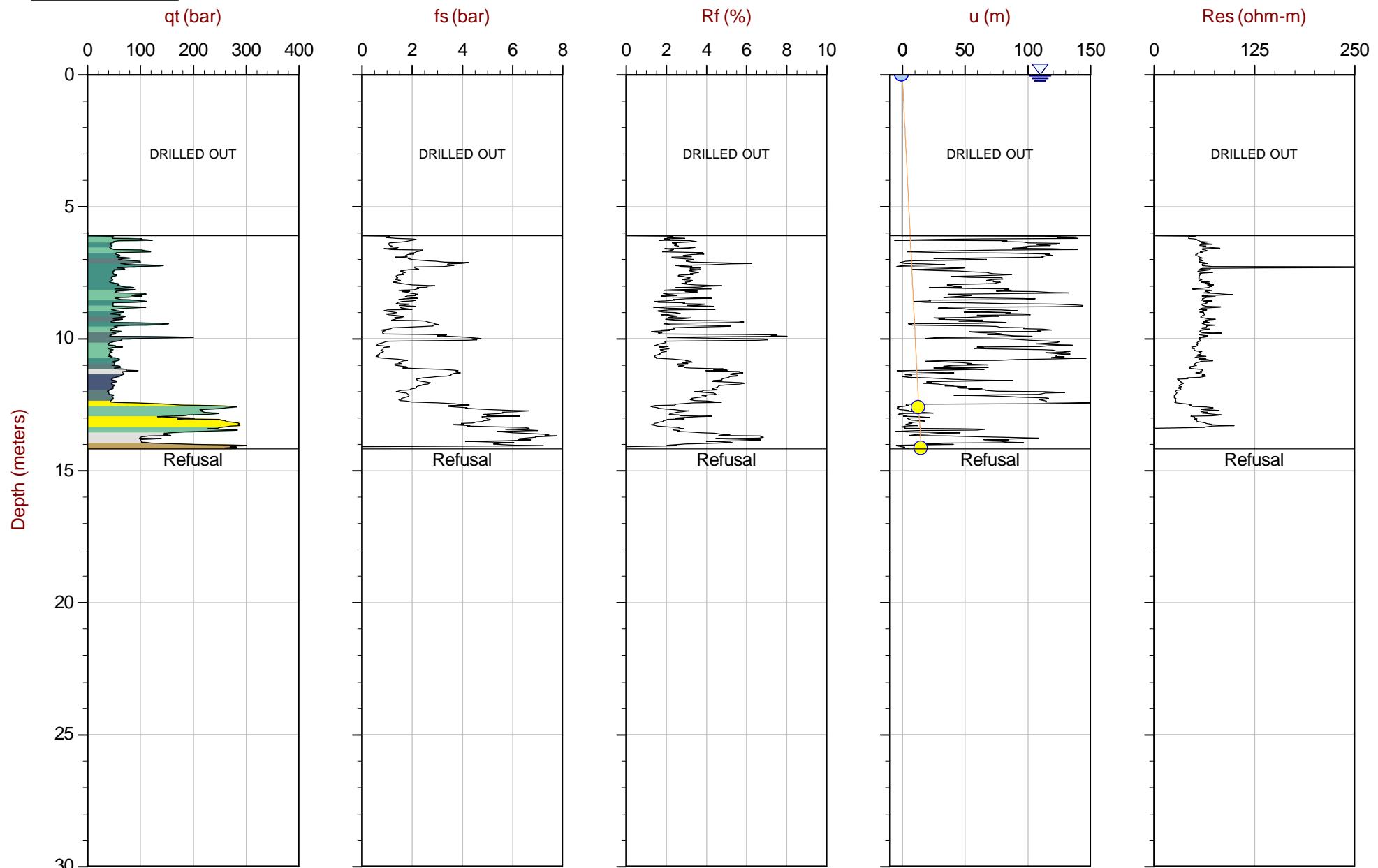
Max Depth: 18.100 m / 59.38 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RP06.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819922.37m E: 595176.22m Elev: 937.71m
PageNo: 1 of 1

Overplot Item: Hydrostatic Line

Assumed Ueq Ueq

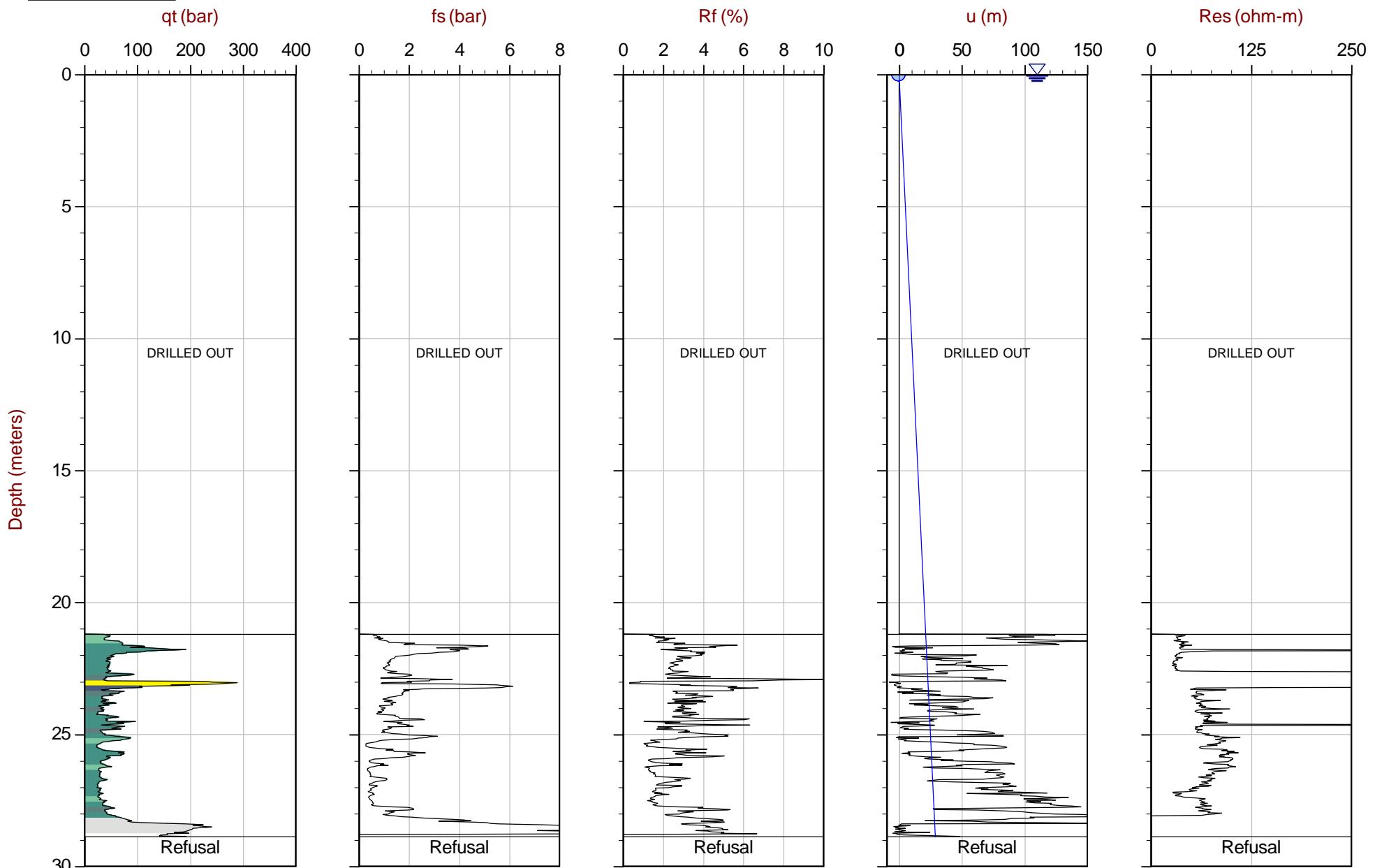


Max Depth: 14.175 m / 46.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS07.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819902.21m E: 595053.58m Elev: 931.58m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq

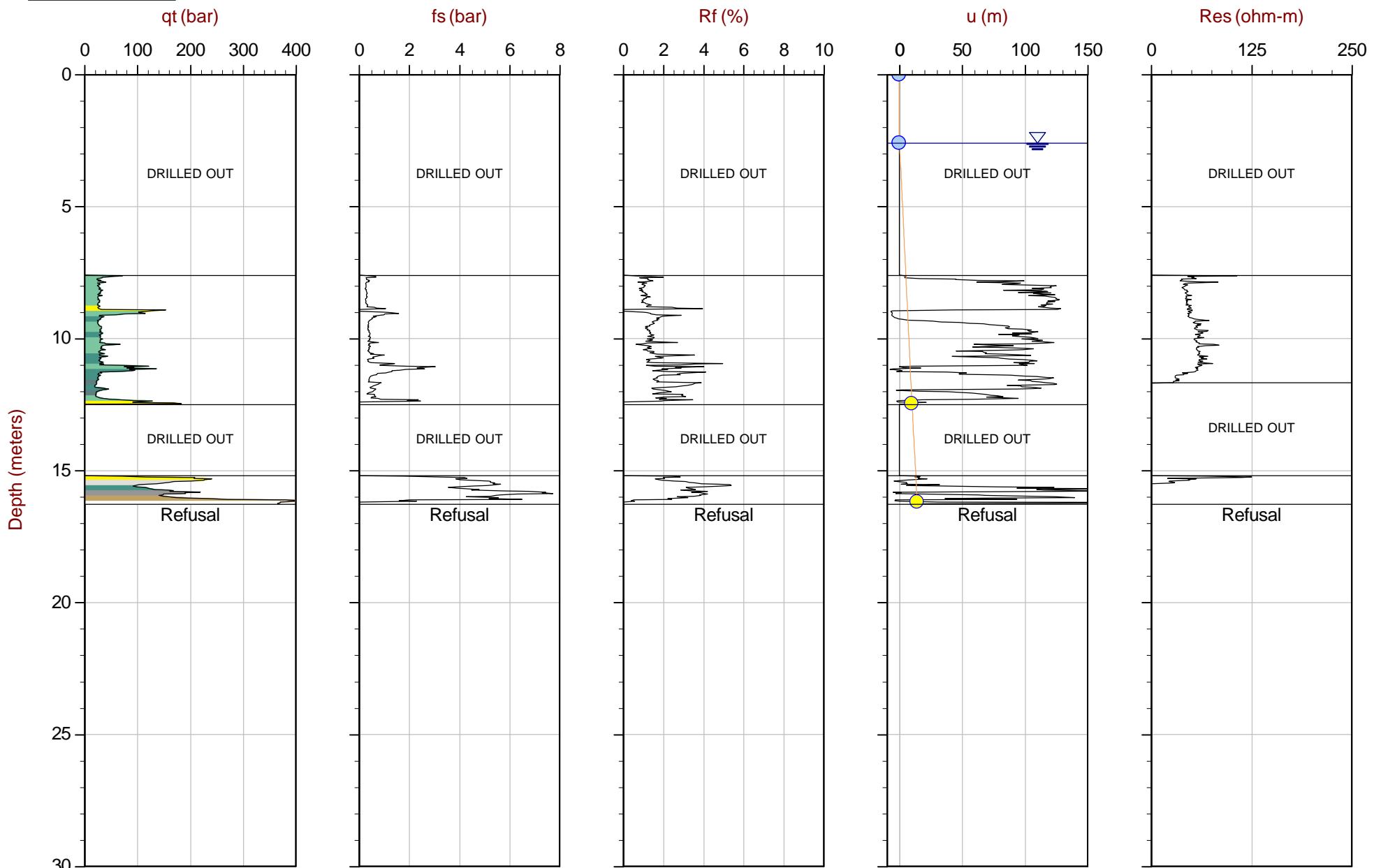


Max Depth: 28.875 m / 94.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS08.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819890.40m E: 595169.41m Elev: 947.50m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ○ Ueq

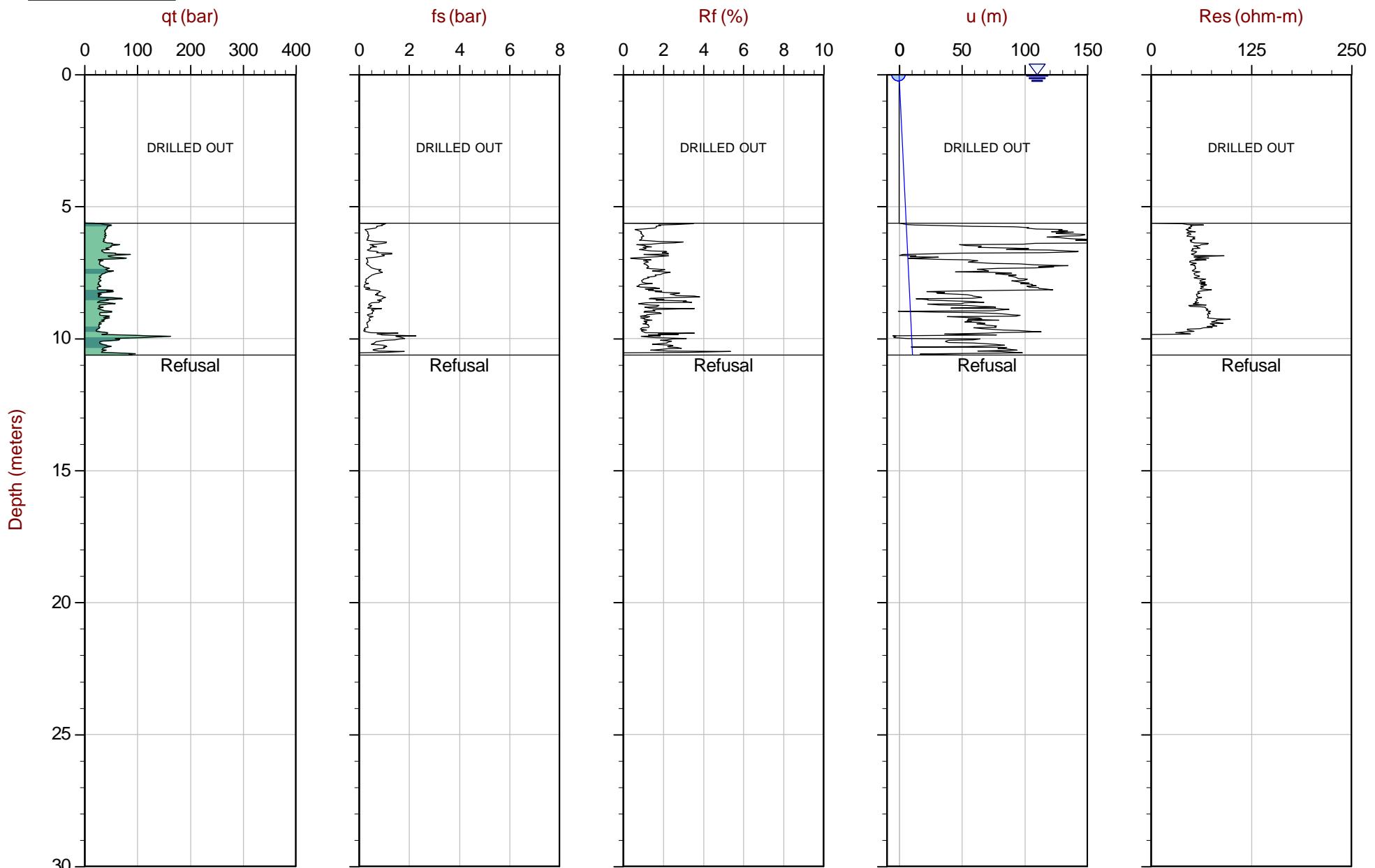


Max Depth: 16.275 m / 53.40 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS10.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819967.55m E: 595151.21m Elev: 932.24m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq

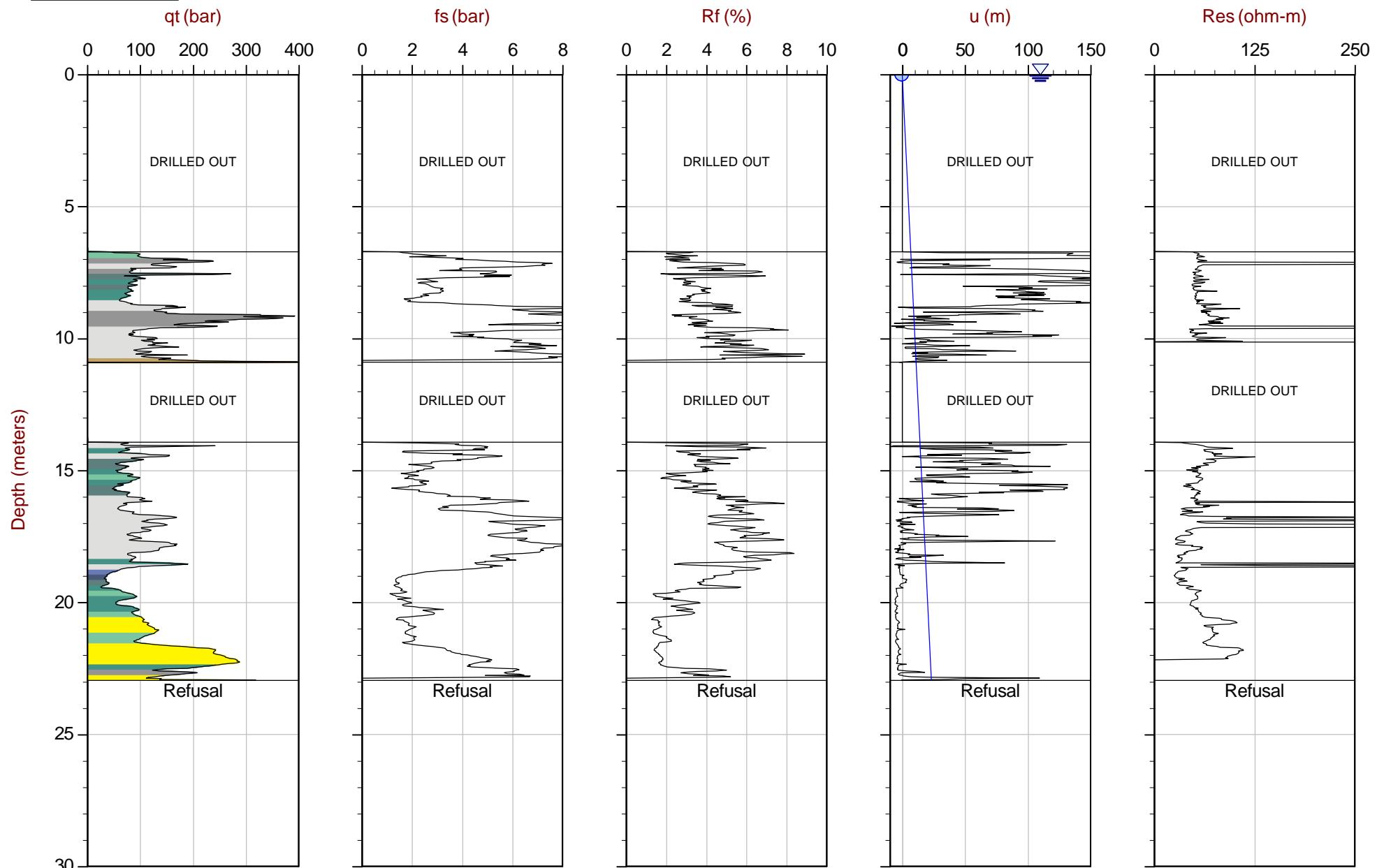


Max Depth: 10.625 m / 34.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS11.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819991.32m E: 595169.95m Elev: 931.06m
PageNo: 1 of 1

Overplot Item: Hydrostatic Line Assumed Ueq Ueq

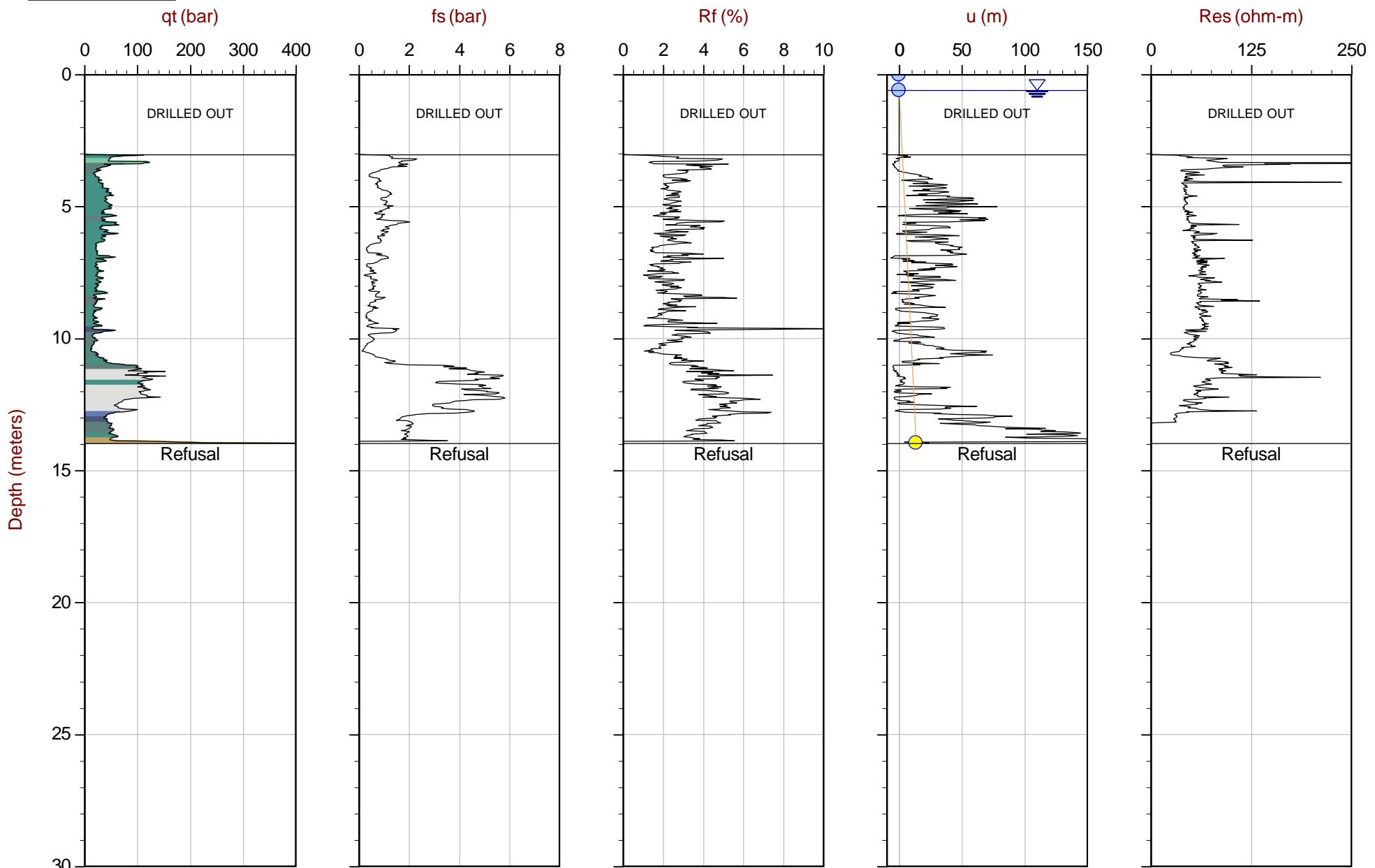


Max Depth: 22.950 m / 75.29 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS13.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N:5819770.00m E:595407.00m Elev:933.06m
Page No: 1 of 1

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.

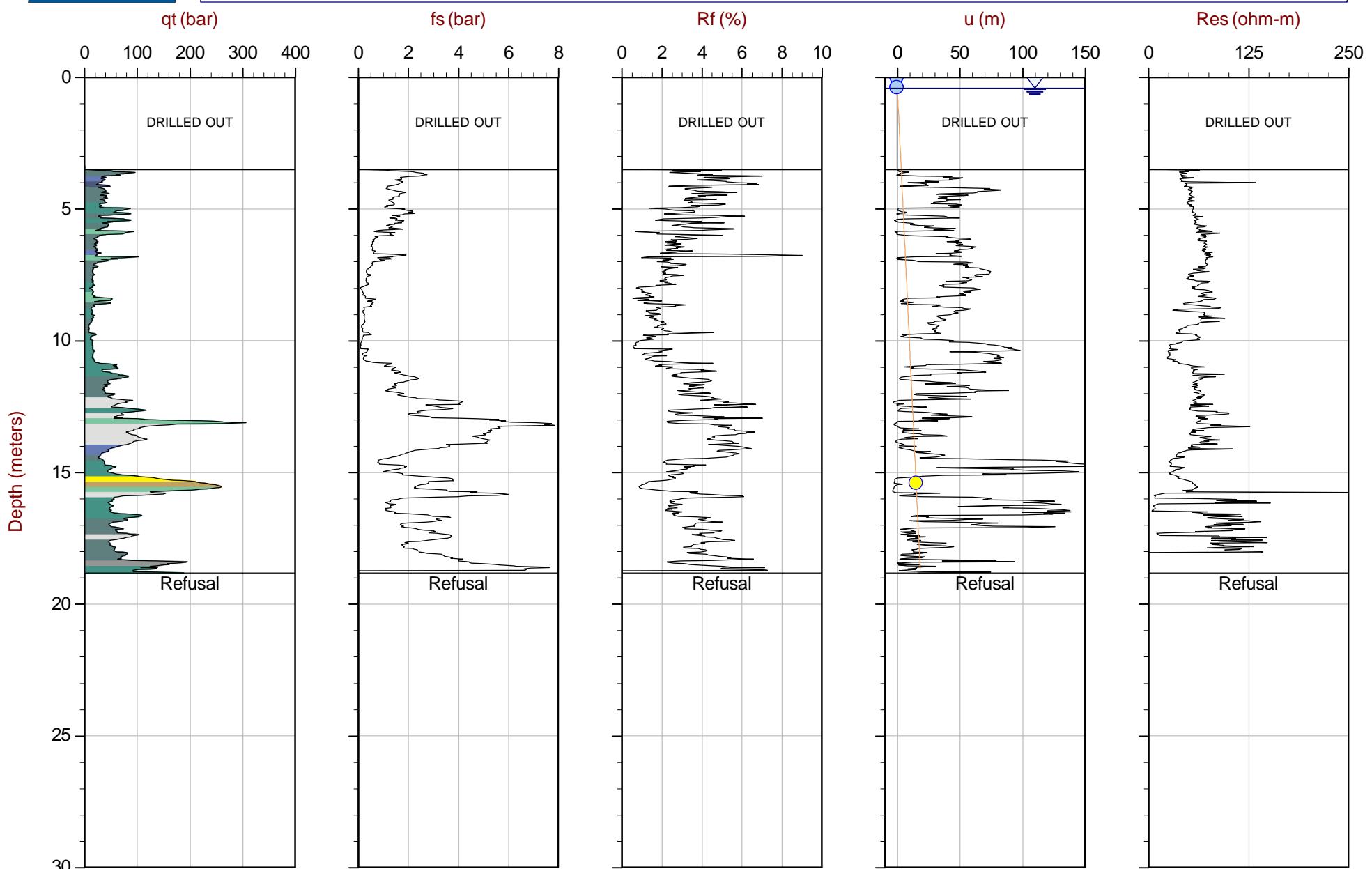


Max Depth: 13.975 m / 45.85 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200m

File: 14-02091_RS14.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819937.03m E: 595100.52m Elev: 930.45m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq} ○ U_{eq}

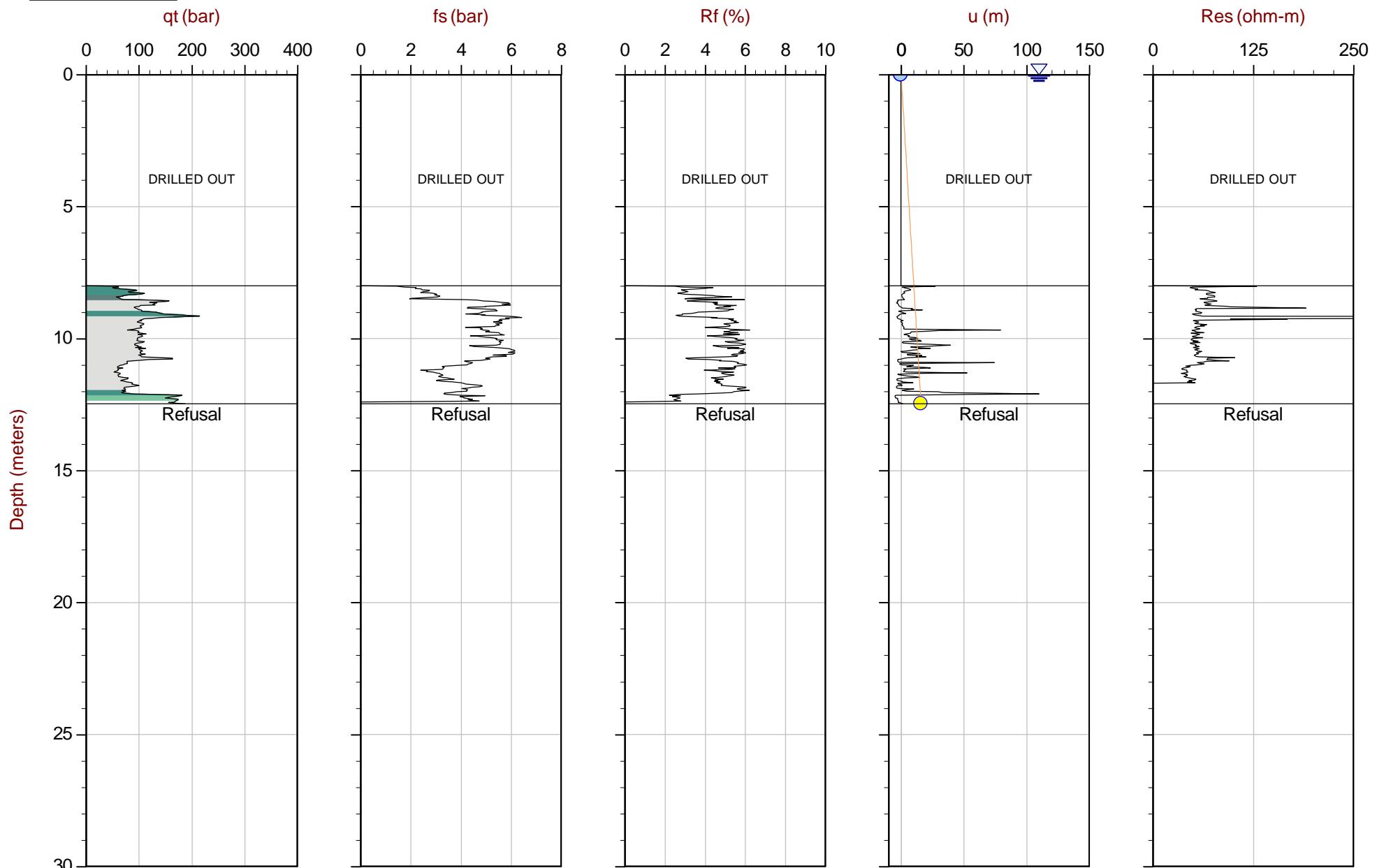


Max Depth: 18.825 m / 61.76 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200m

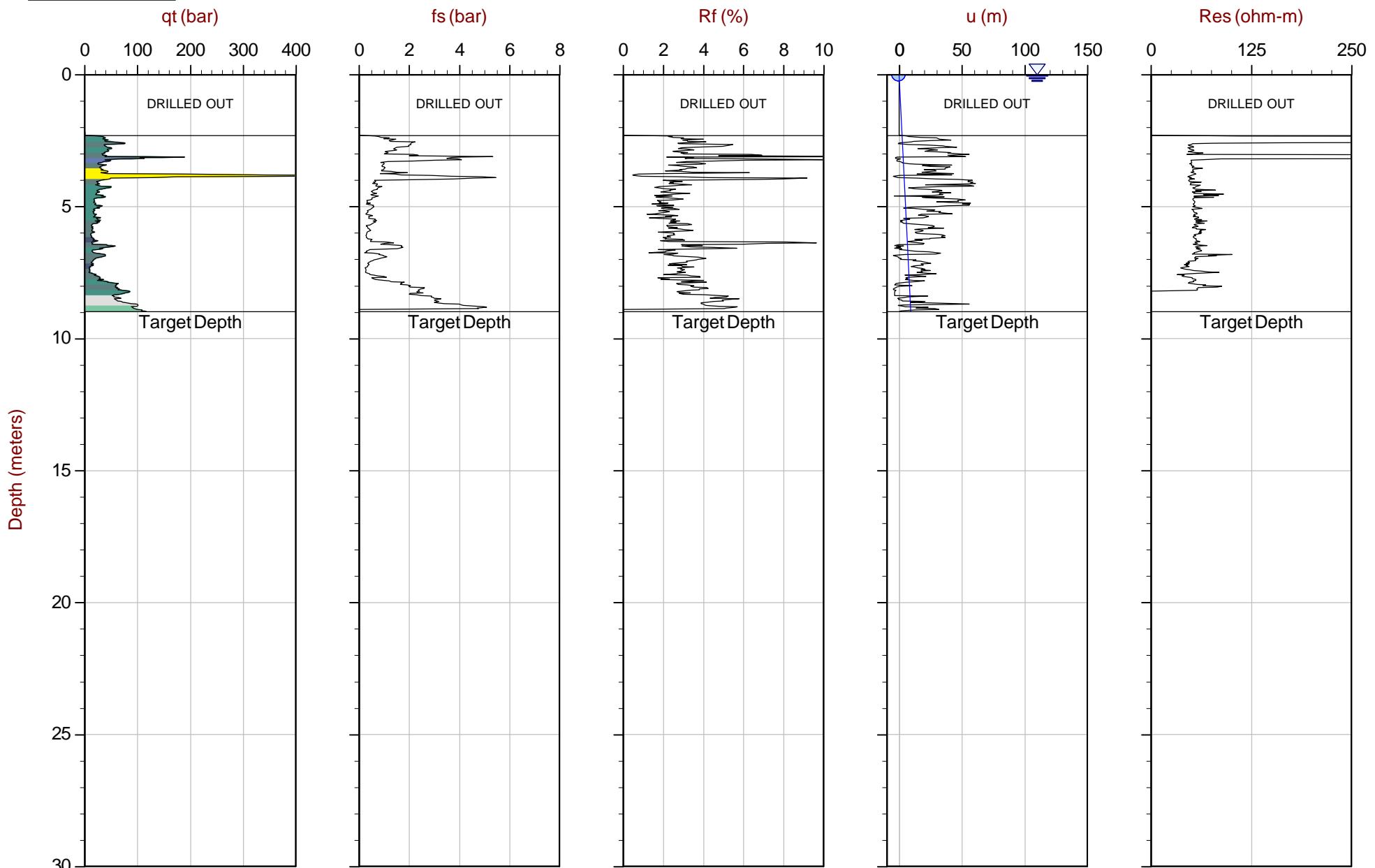
File: 14-02091_RS15.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819960.89m E: 595100.02m Elev: 930.20m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq



Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq} ● U_{eq}

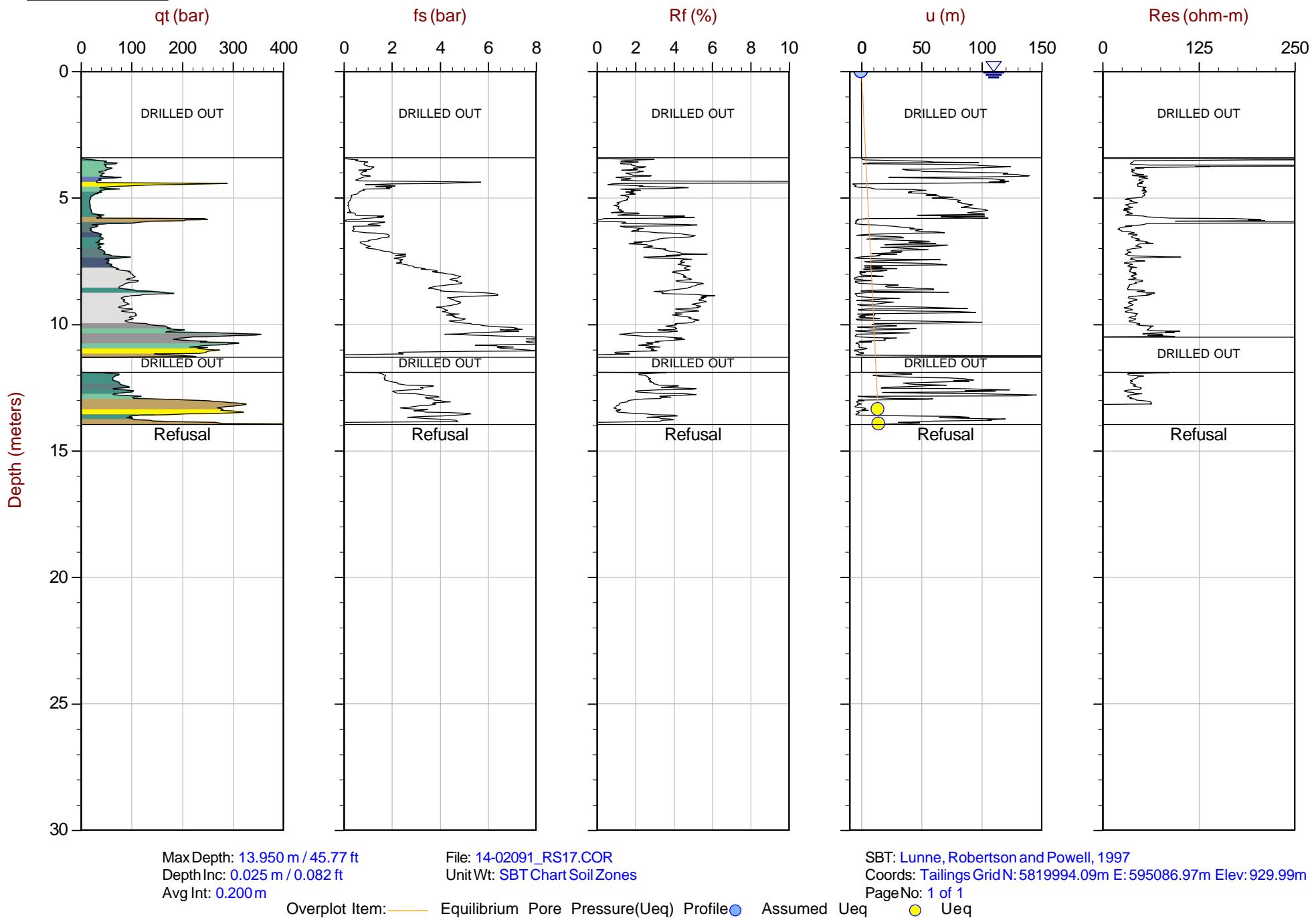


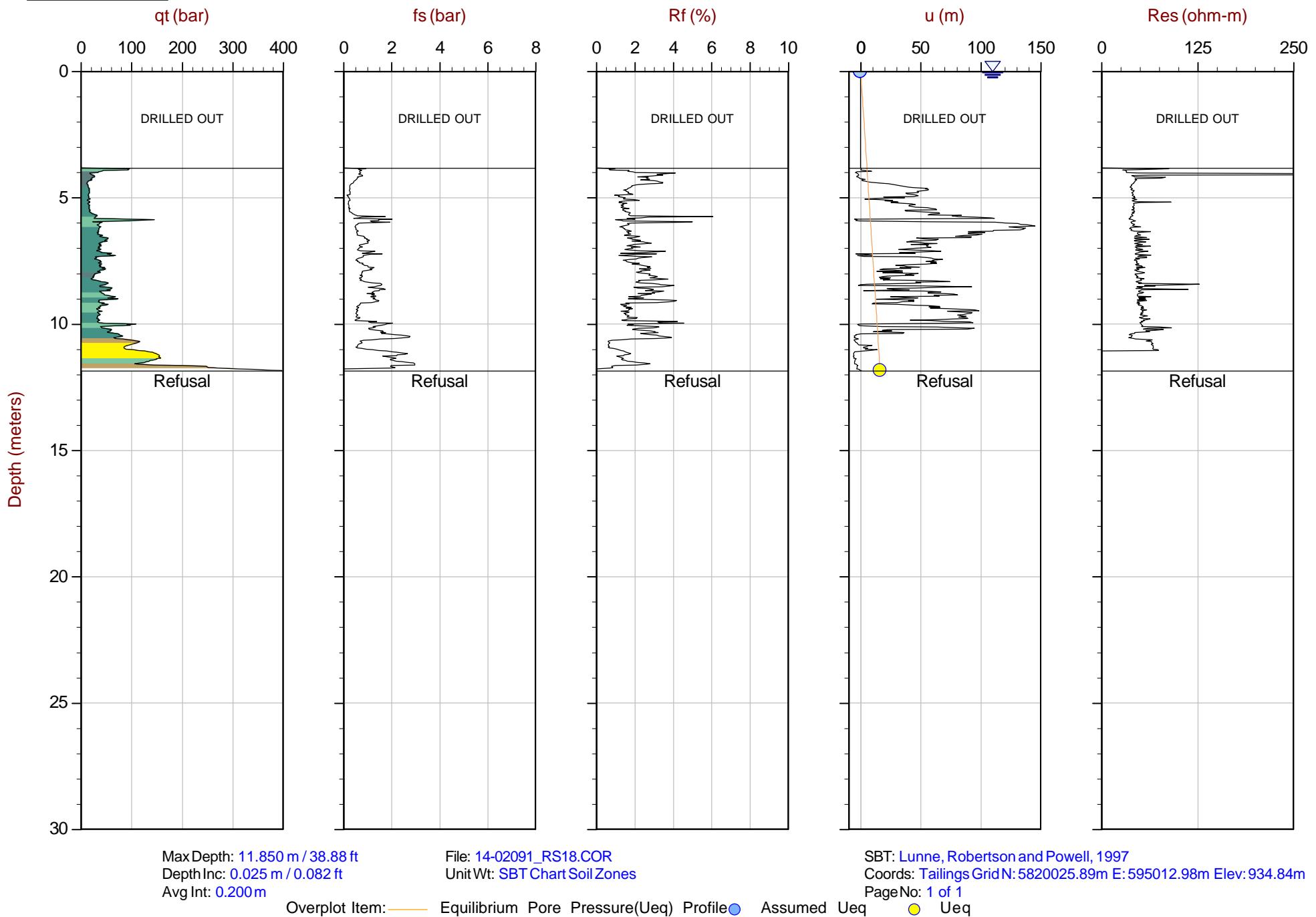
Max Depth: 8.975 m / 29.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

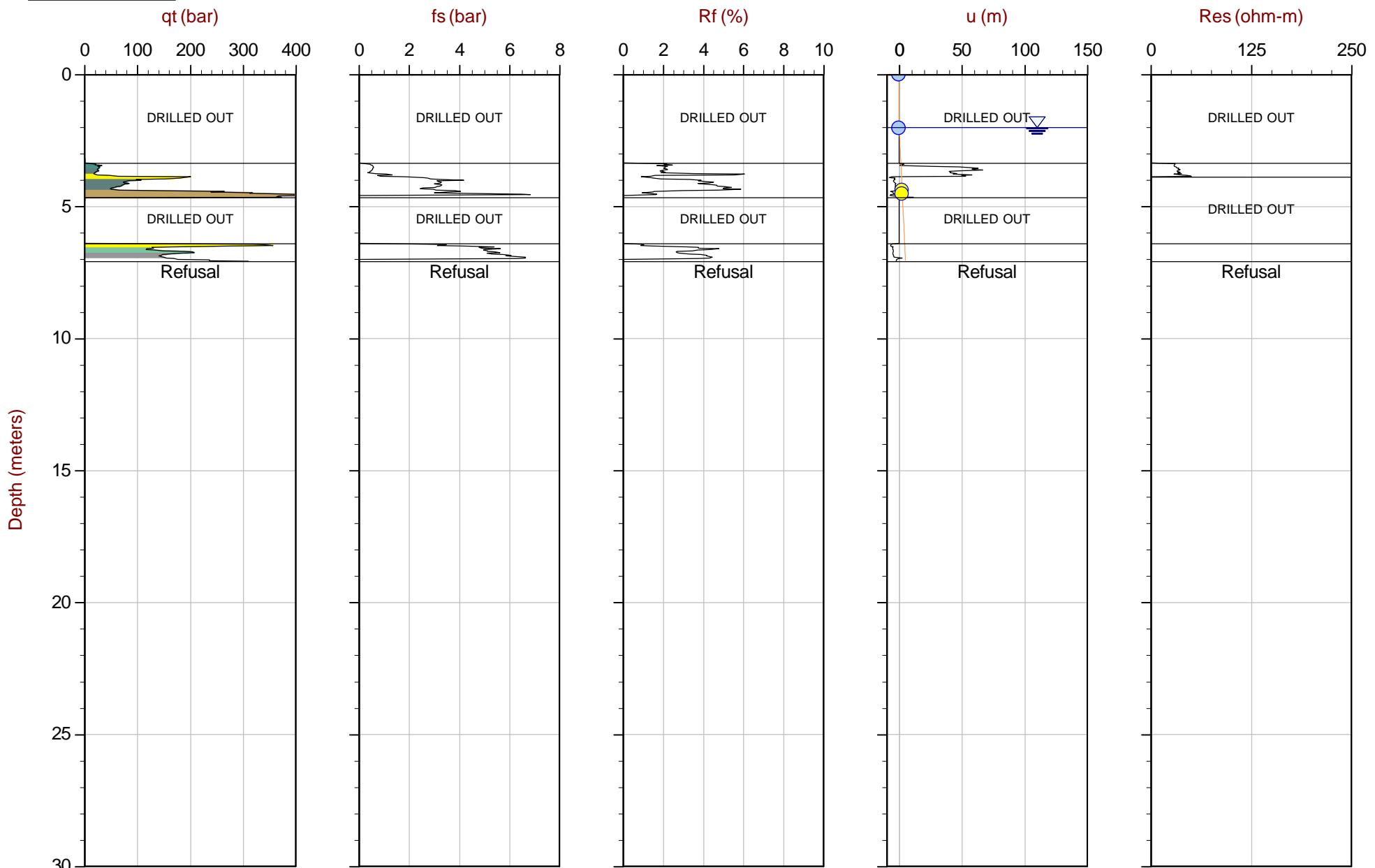
File: 14-02091_RS16C.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819975.79m E: 595079.20m Elev: 930.44m
PageNo: 1 of 1

Overplot Item: Hydrostatic Line Assumed Ueq Ueq





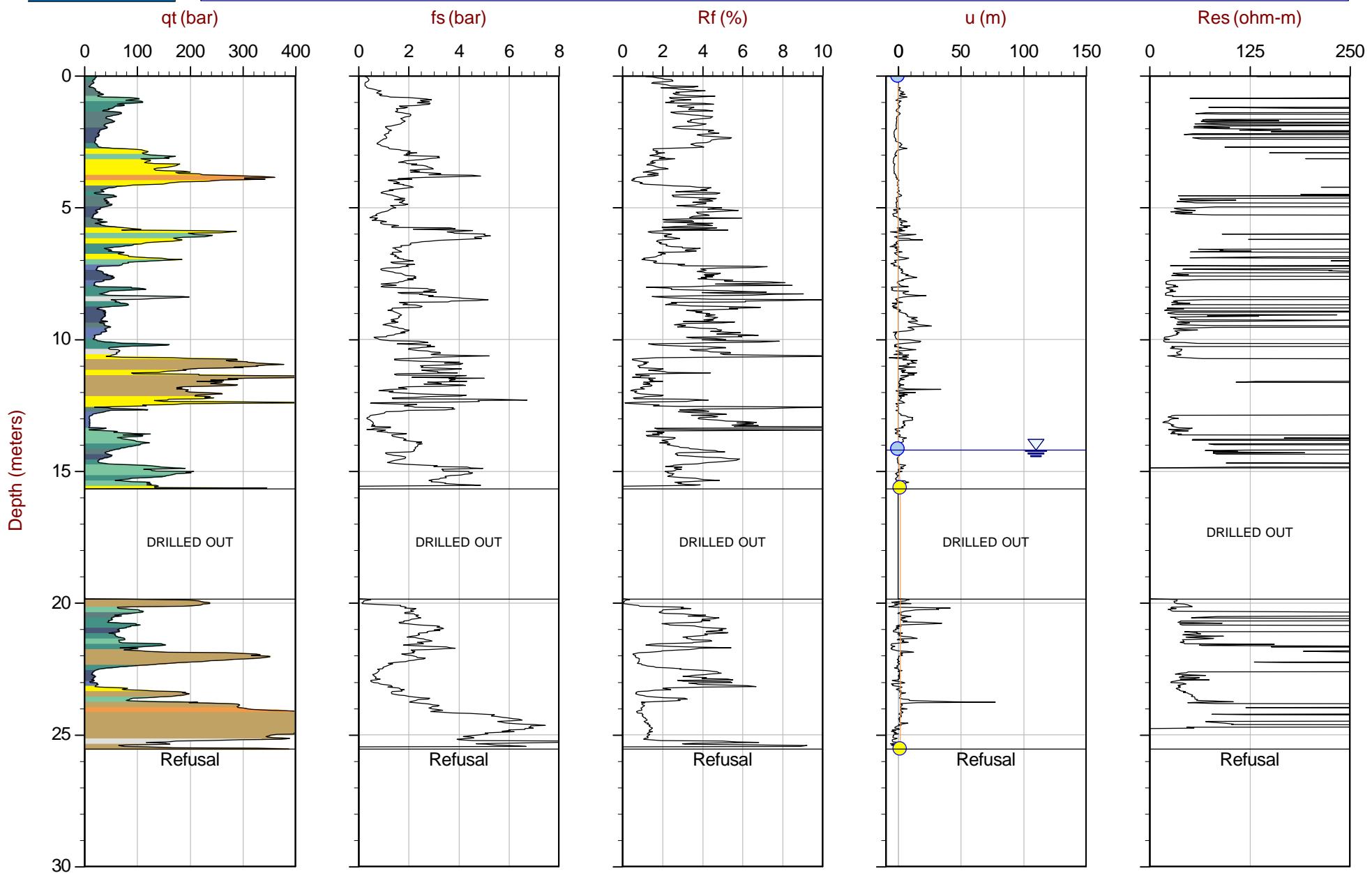


Max Depth: 7.075 m / 23.21 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

File: 14-02091_RS19.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5820043.69m E: 594886.51m Elev: 942.66m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq



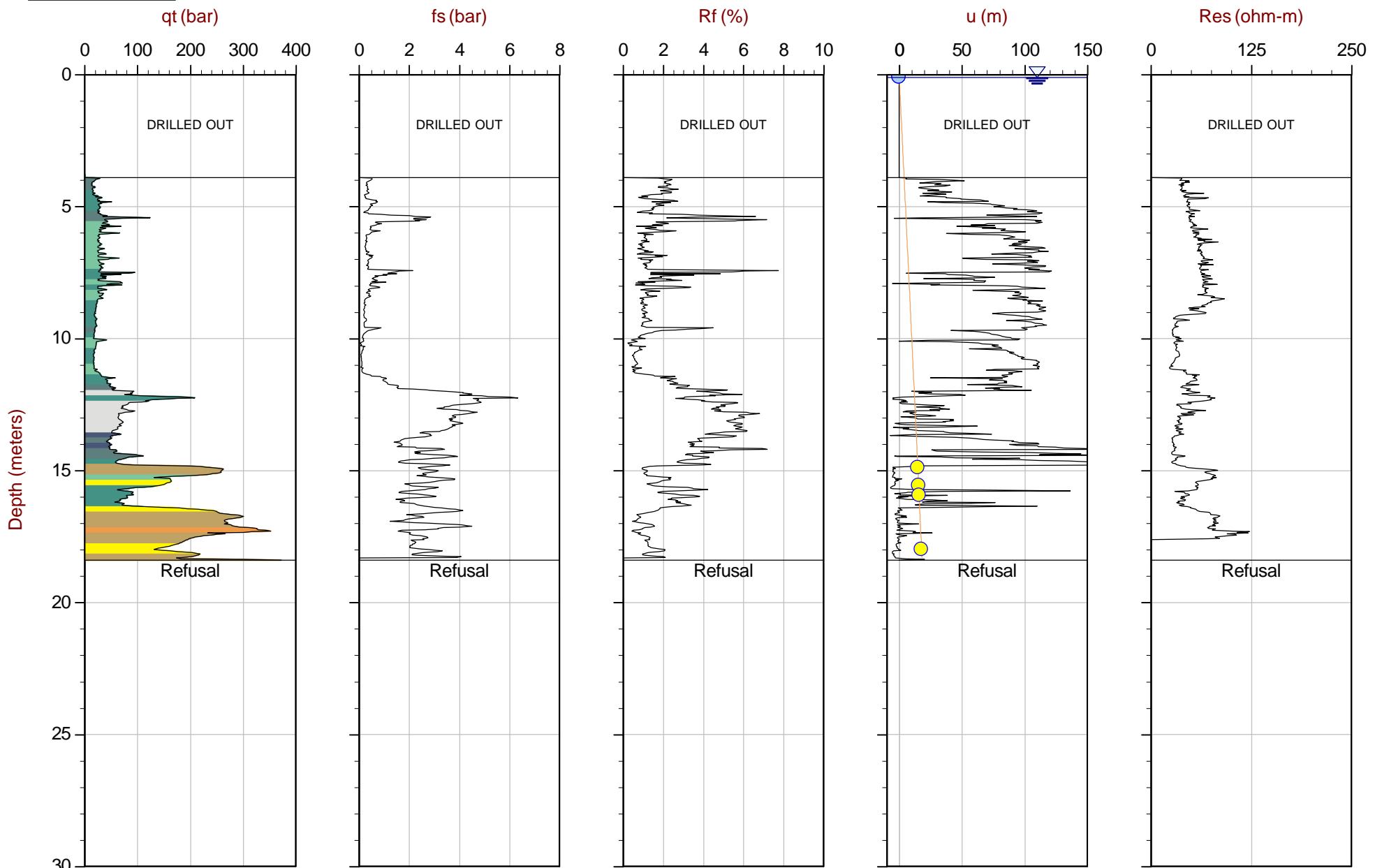
Max Depth: 25.550 m / 83.82 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200 m

File: 14-02091_RS21.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819715.00m E: 595334.00m Elev: 968.91m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



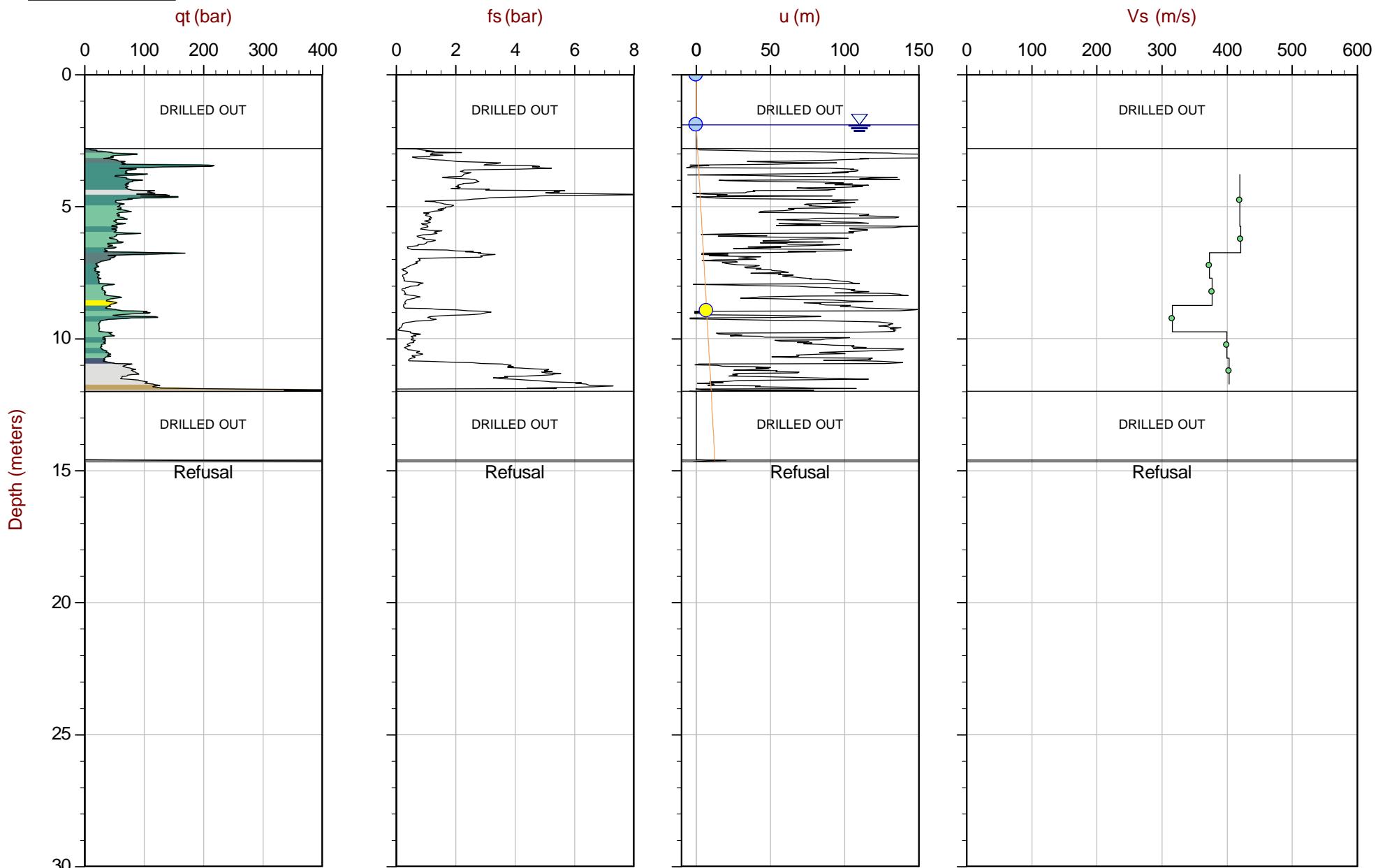
Max Depth: 18.400 m / 60.37 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200 m

File: 14-02091_RS22.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819981.72m E: 595124.54m Elev: 929.77m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ● Ueq

Seismic Cone Penetration Test Plots

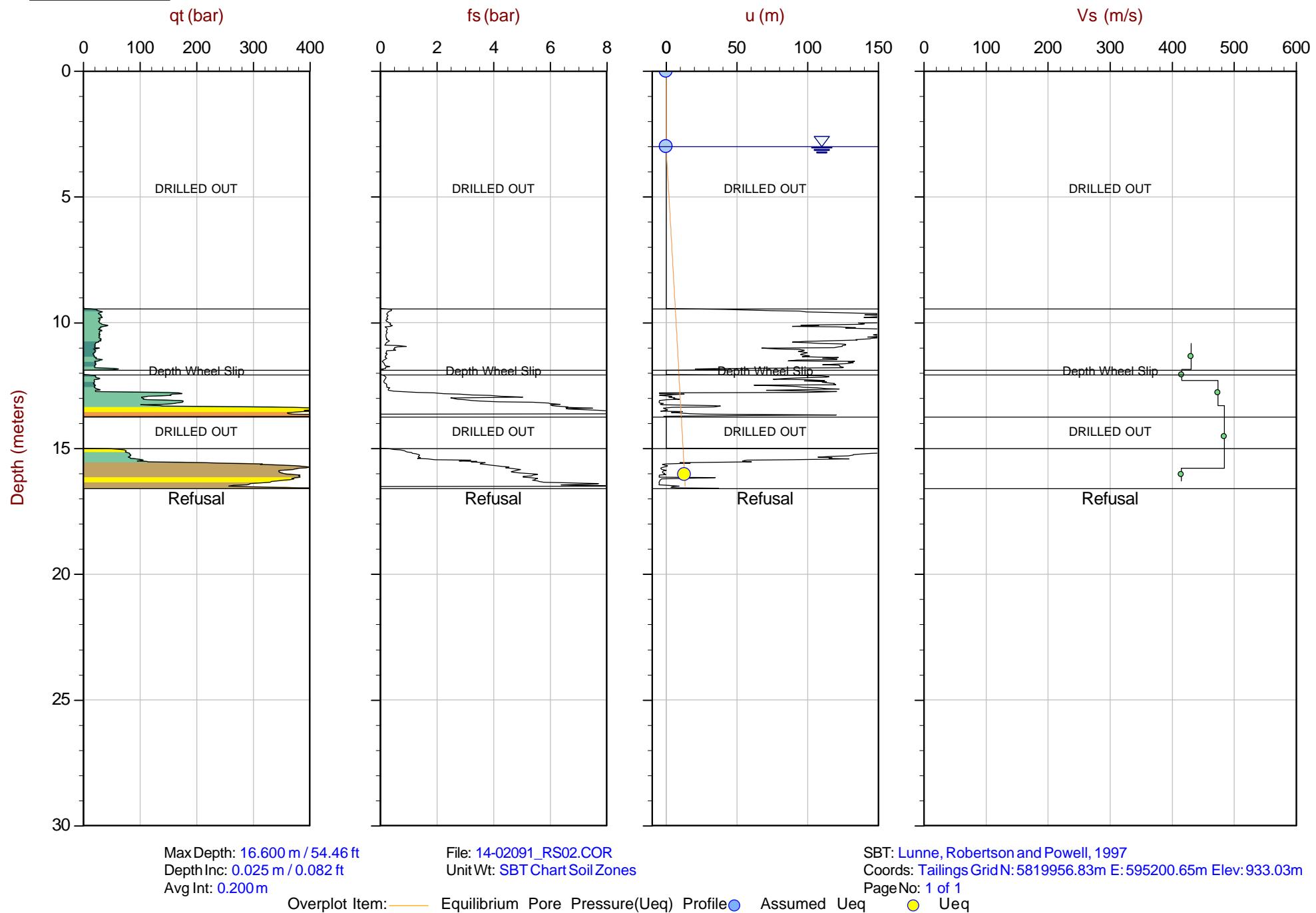


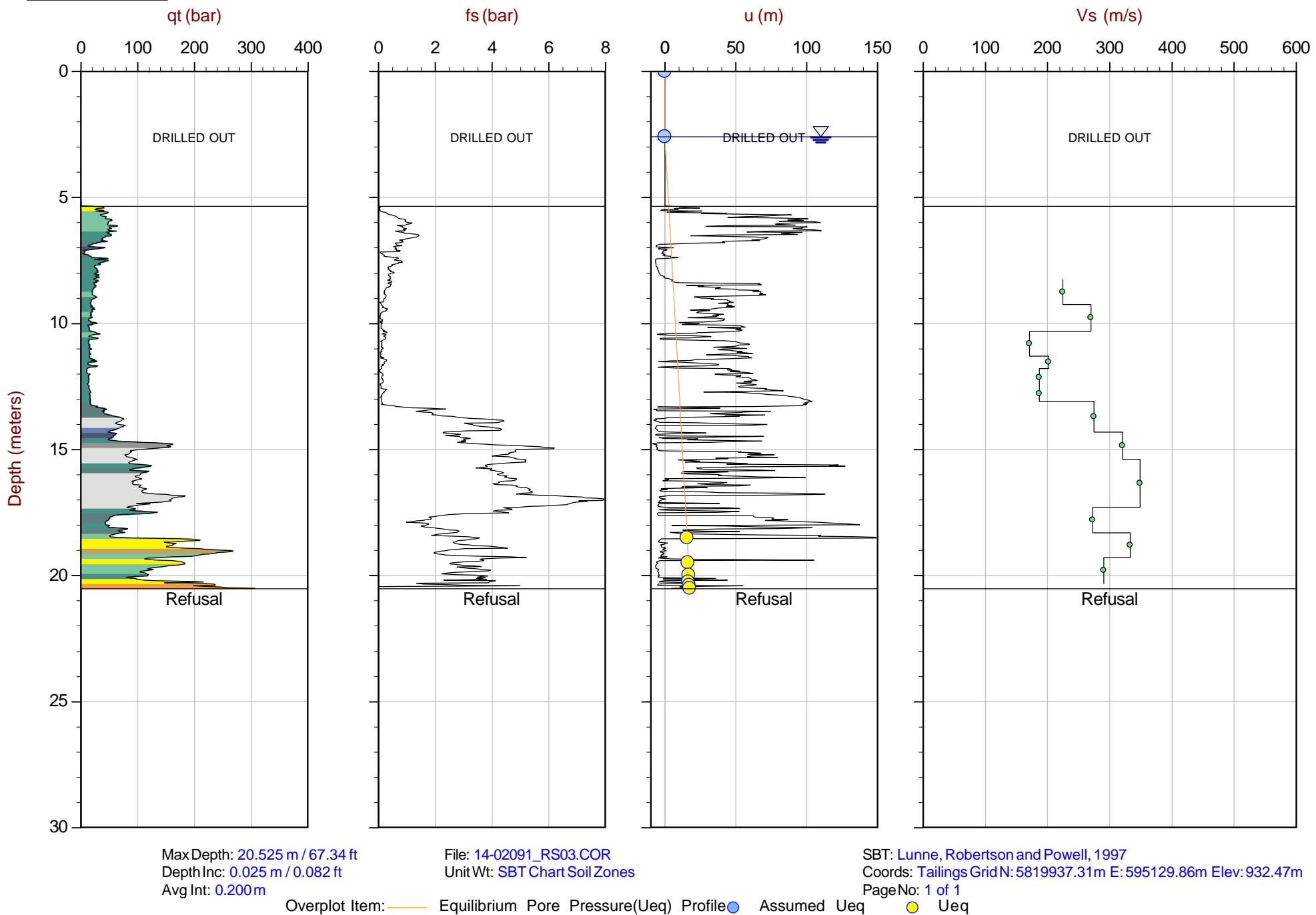
Max Depth: 14.675 m / 48.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

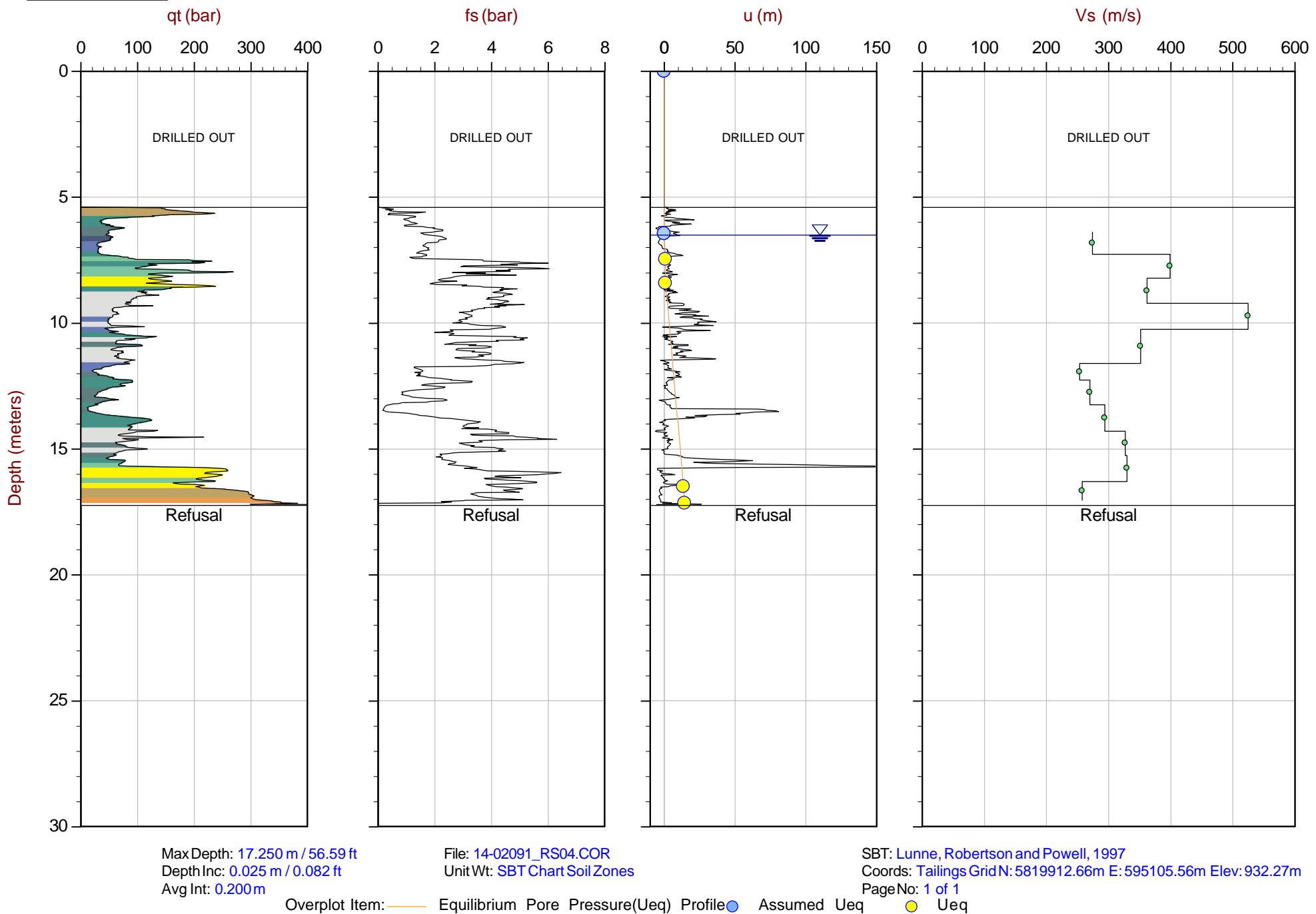
File: 14-02091_RS01.COR
Unit Wt: SBT Chart Soil Zones

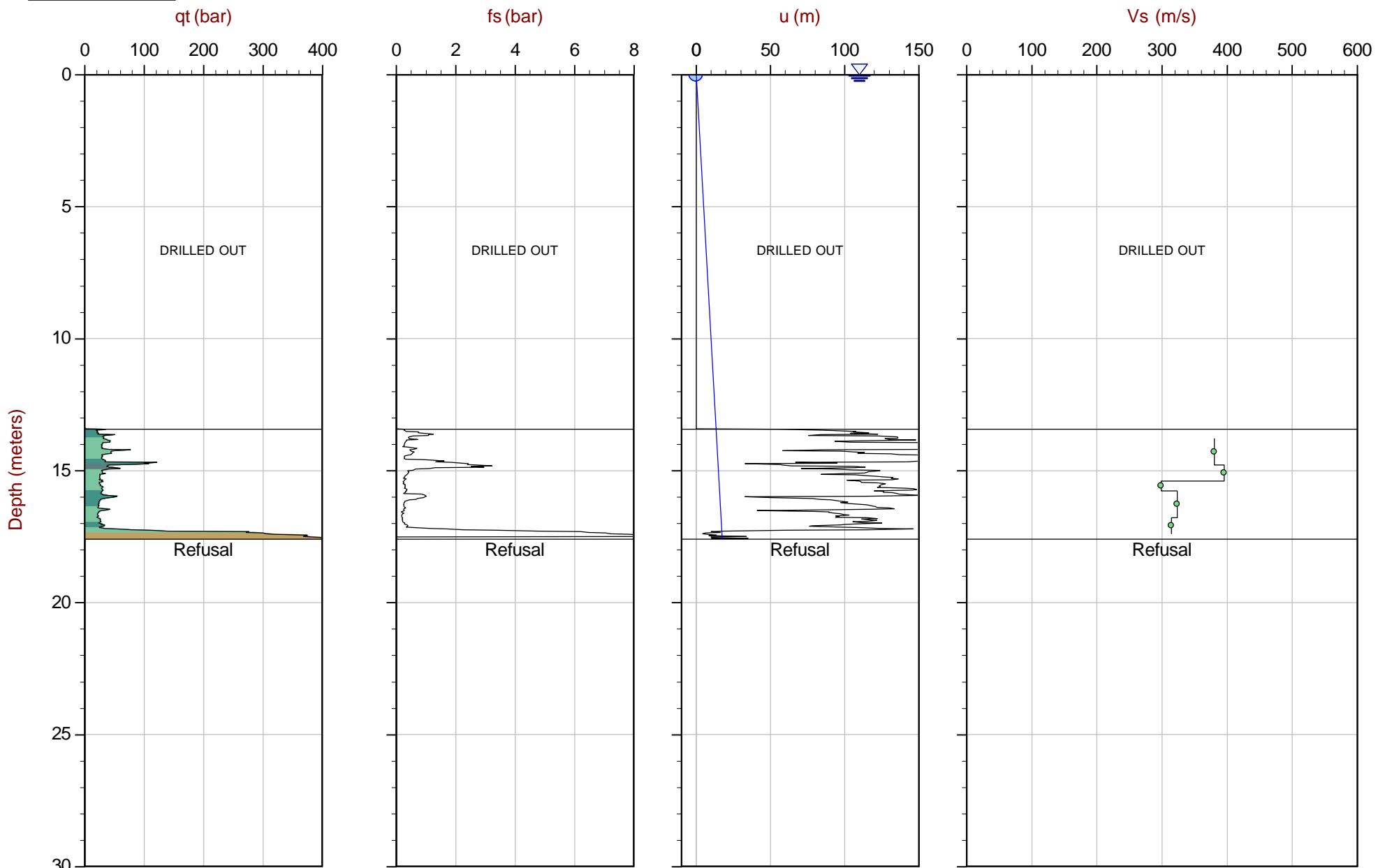
SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819871.83m E: 595252.96m Elev: 931.29m
Page No: 1 of 1
eq  Ueq

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq}







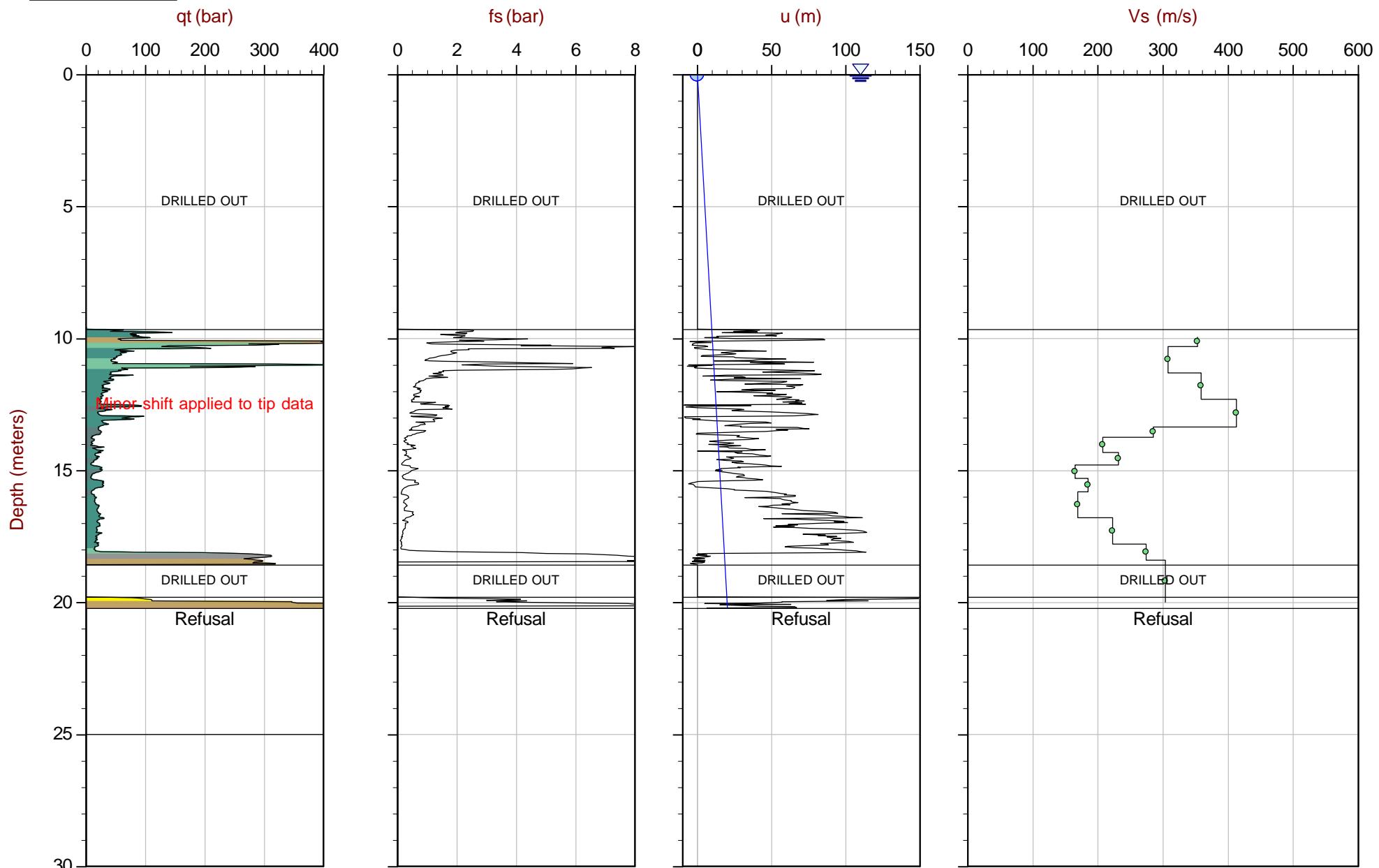


Max Depth: 17.600 m / 57.74 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS05.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819924.42m E: 595188.02m Elev: 937.43m
PageNo: 1 of 1

Overplot Item: Hydrostatic Line Assumed Ueq Ueq

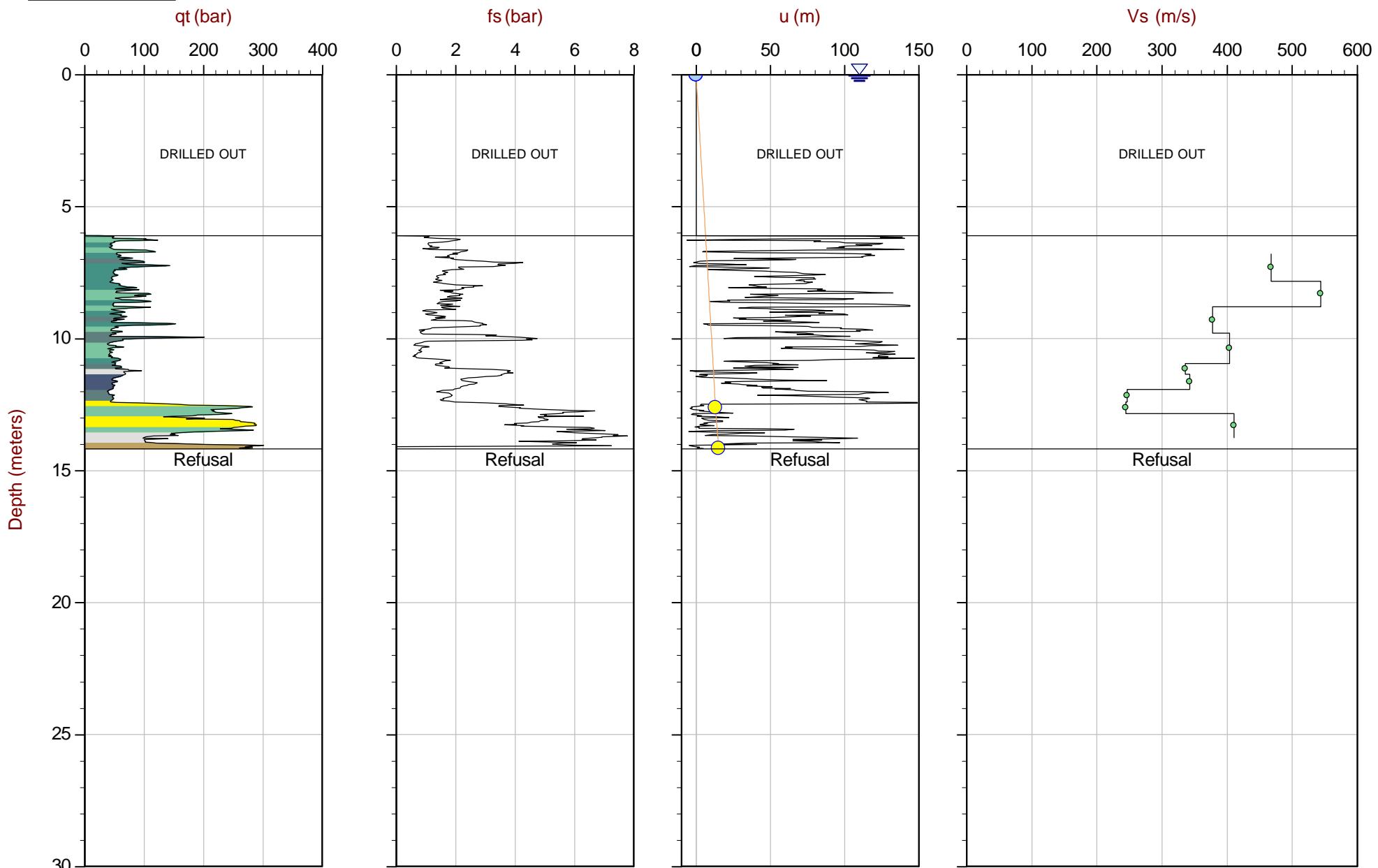


Max Depth: 20.225 m / 66.35 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS06.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819920.26m E: 595177.07m Elev: 937.76m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq



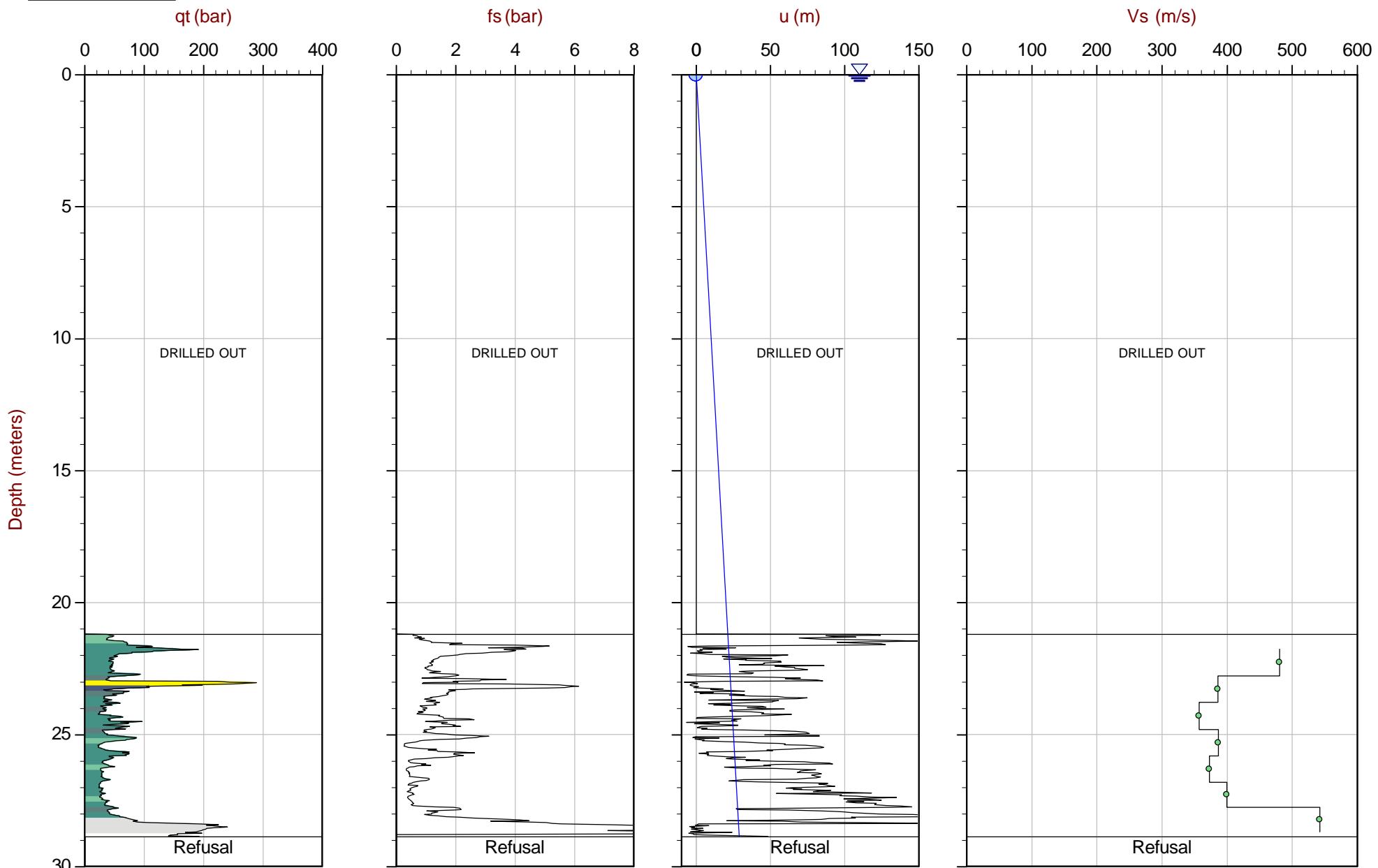
Max Depth: 14.175 m / 46.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS07.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819902.21m E: 595053.58m Elev: 931.58m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq}

● U_{eq}



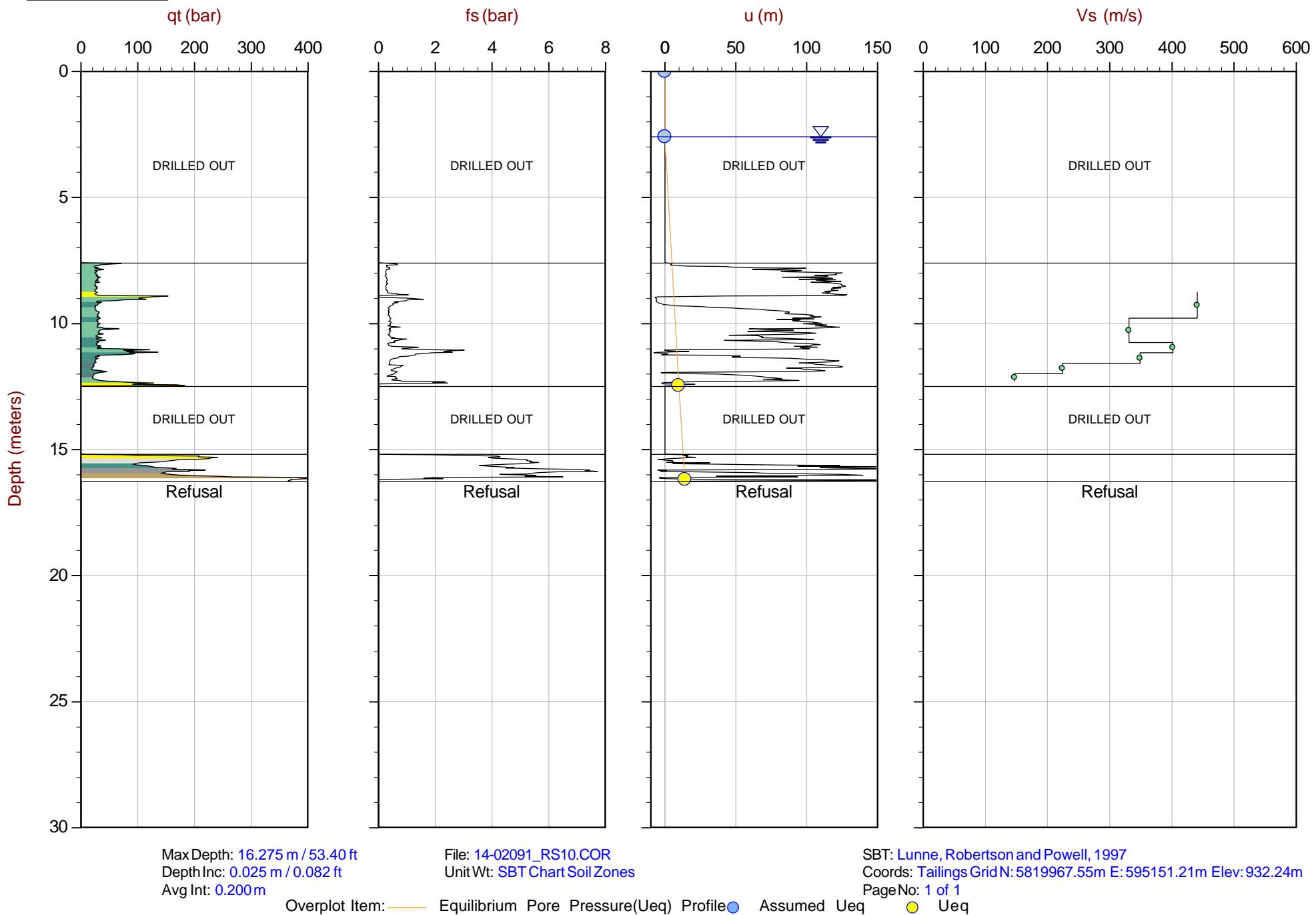
Max Depth: 28.875 m / 94.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

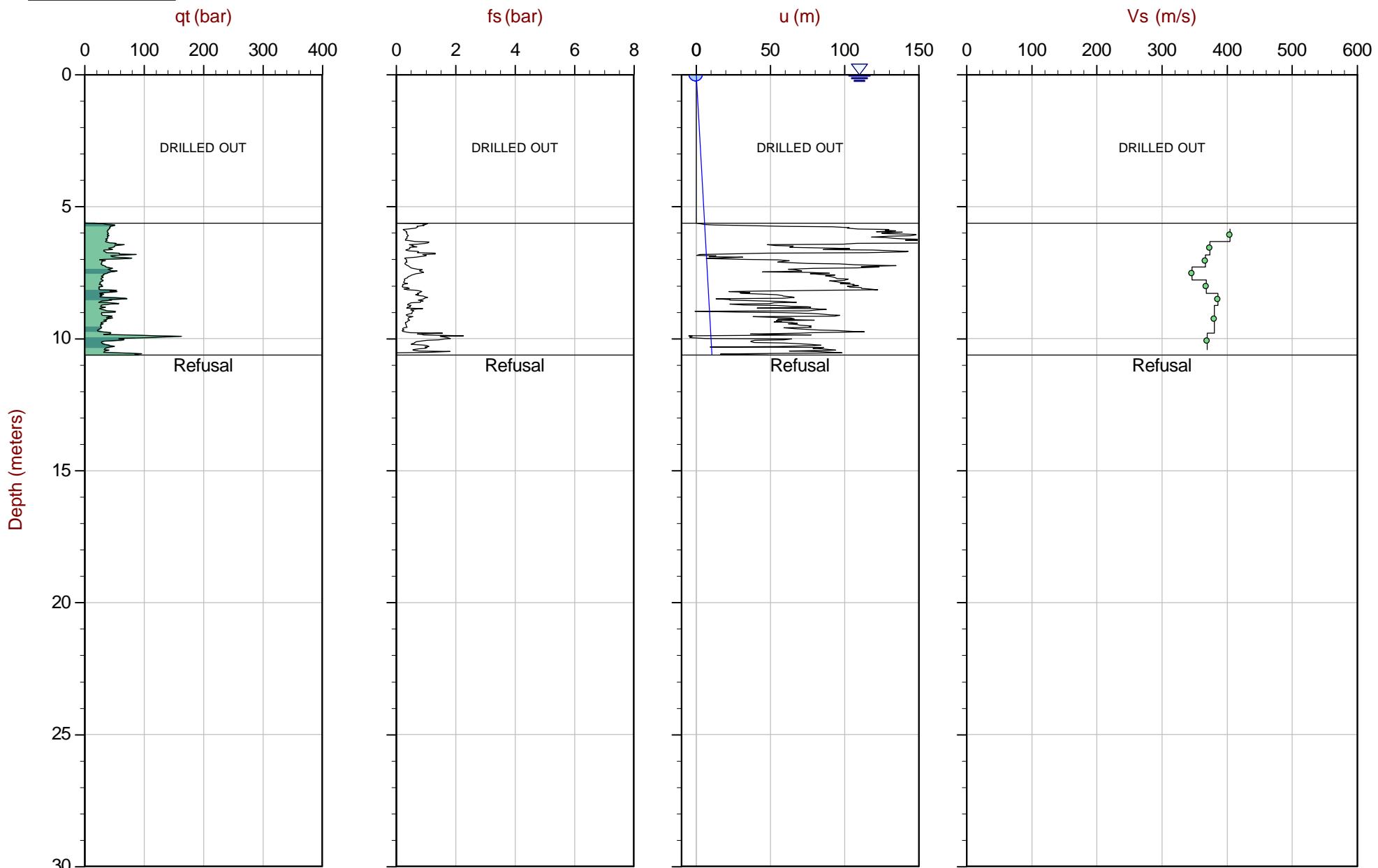
File: 14-02091_RS08.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819890.40m E: 595169.41m Elev: 947.50m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line

● Assumed Ueq ● Ueq





Max Depth: 10.625 m / 34.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200m

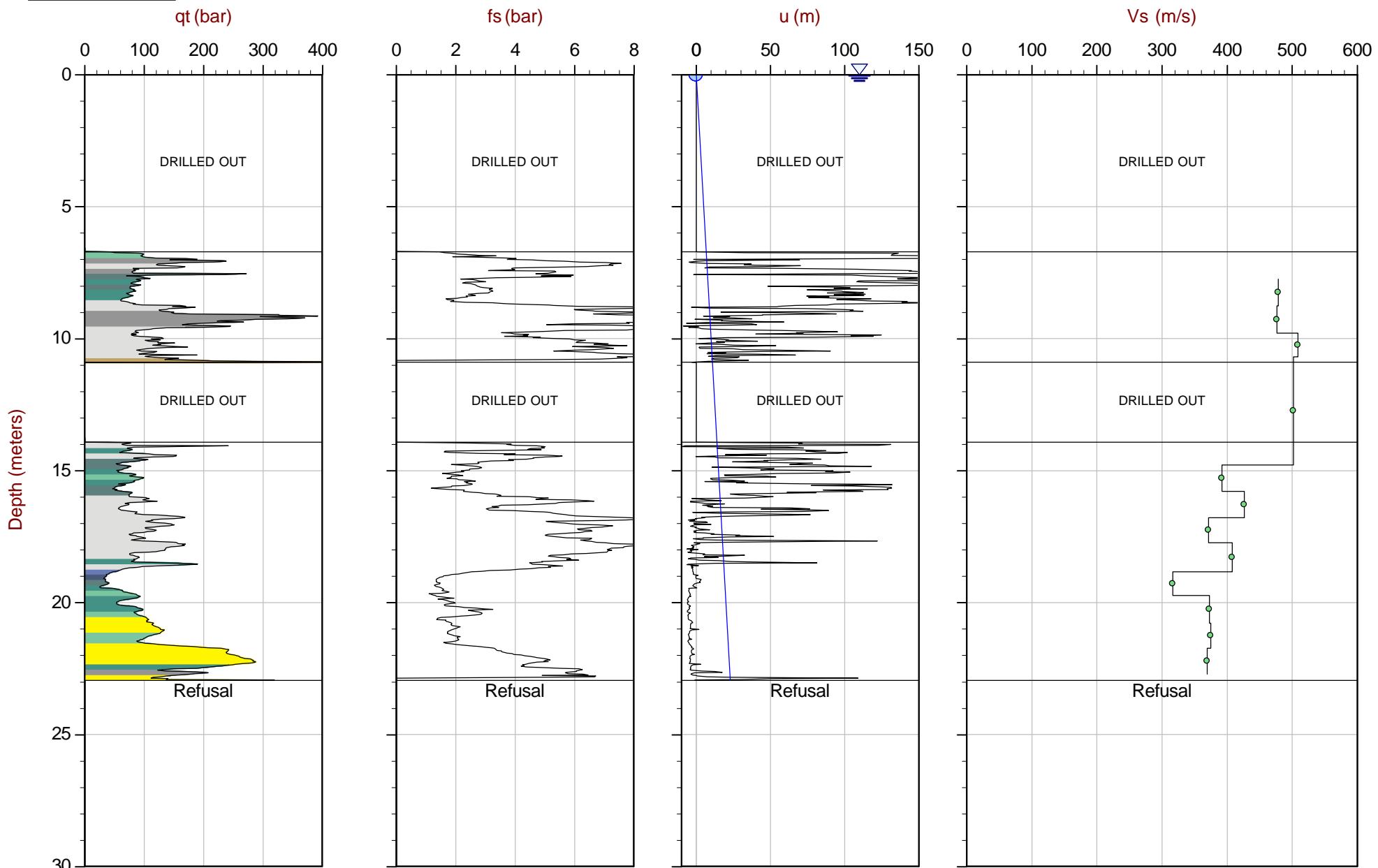
File: 14-02091_RS11.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819991.32m E: 595169.95m Elev: 931.06m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line

● Assumed Ueq

○ Ueq



Max Depth: 22.950 m / 75.29 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200 m

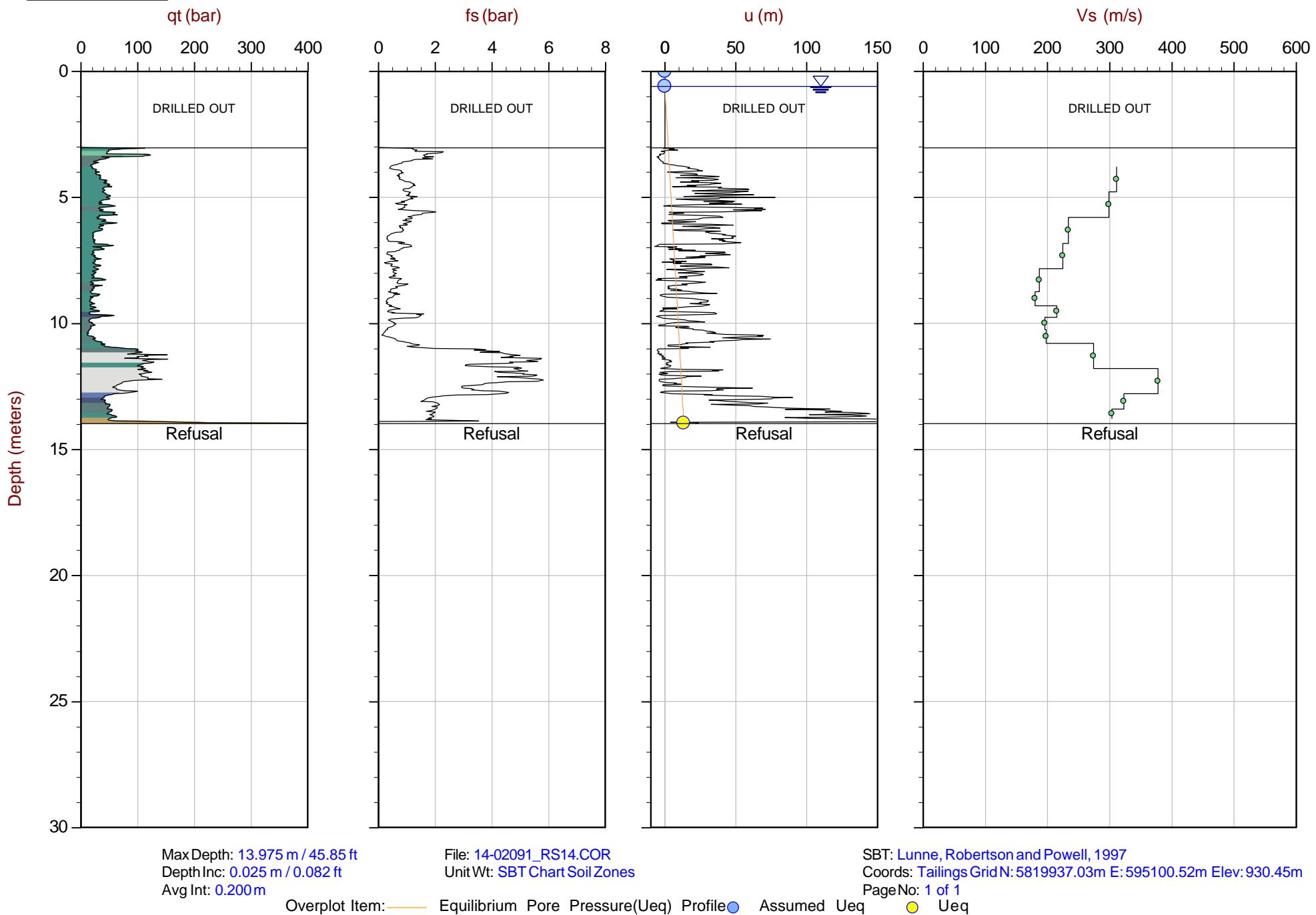
File: 14-02091_RS13.COR
 Unit Wt: SBT Chart Soil Zones

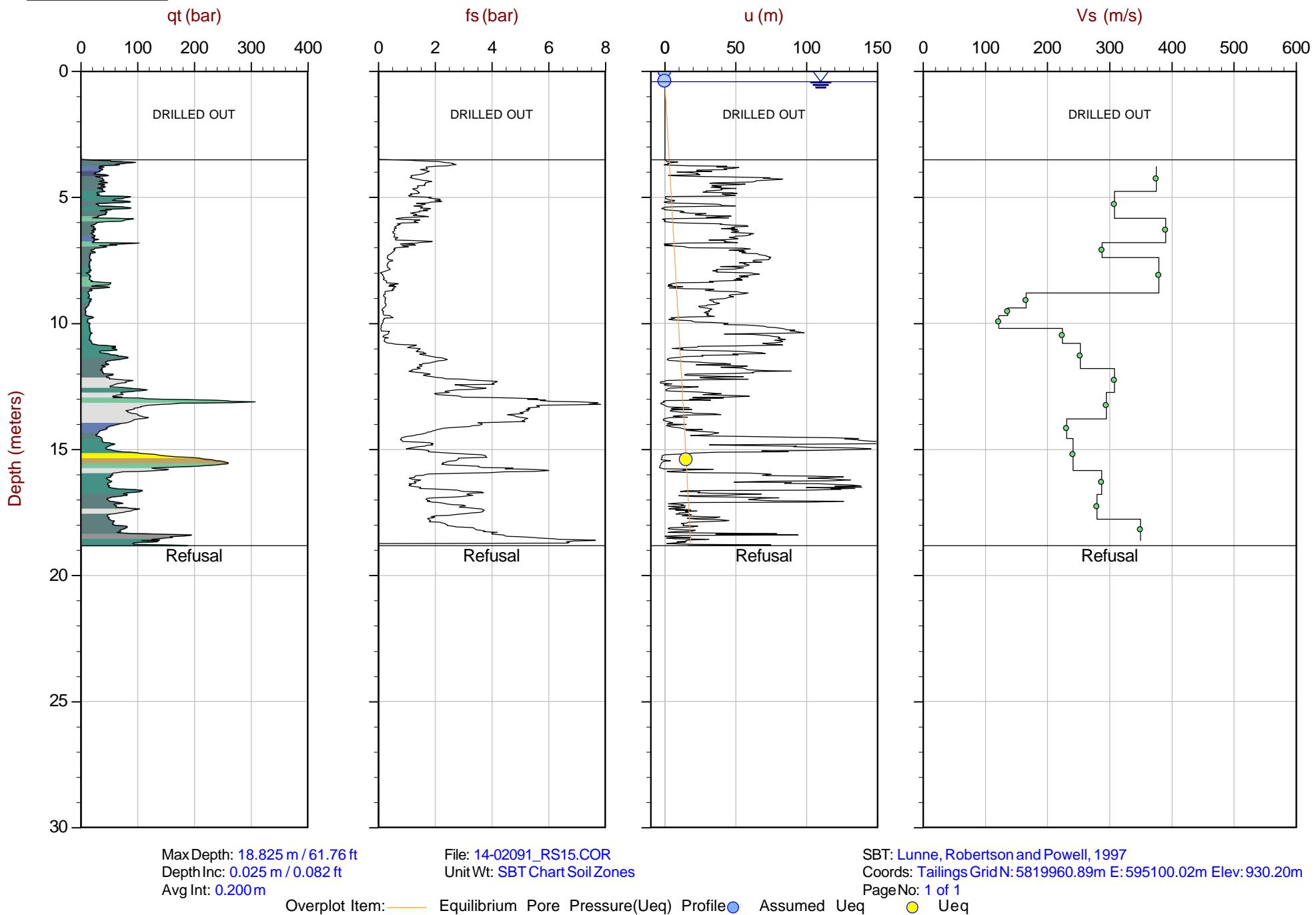
SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819770.00m E: 595407.00m Elev: 933.06m
 PageNo: 1 of 1

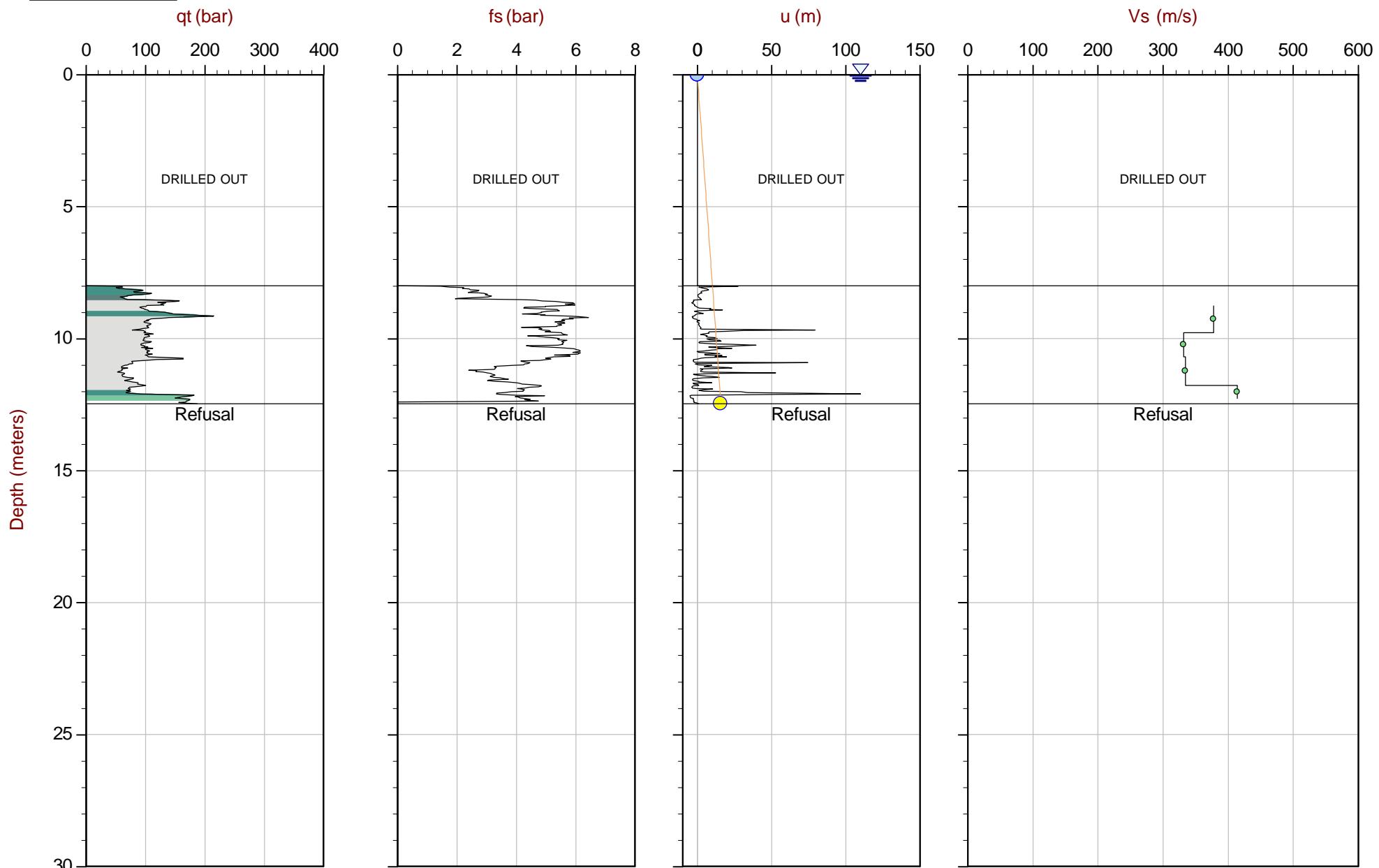
Overplot Item: — Hydrostatic Line ● Assumed U_{eq}

● U_{eq}

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.







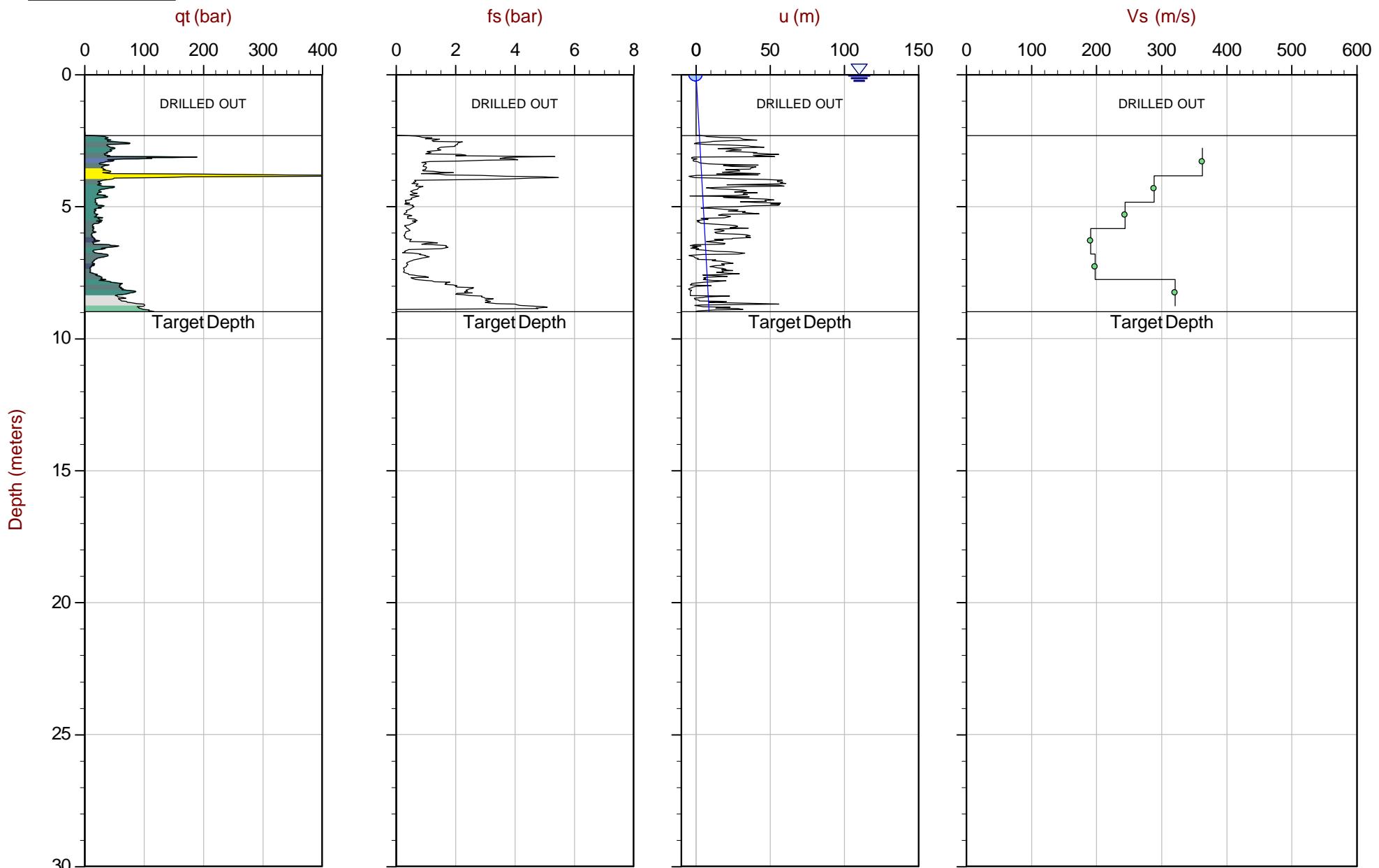
Max Depth: 12.475 m / 40.93 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

File: 14-02091_RS16B.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819976.38m E: 595078.31m Elev: 930.28m
PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(U_{eq}) Profile ● Assumed U_{eq}

● U_{eq}

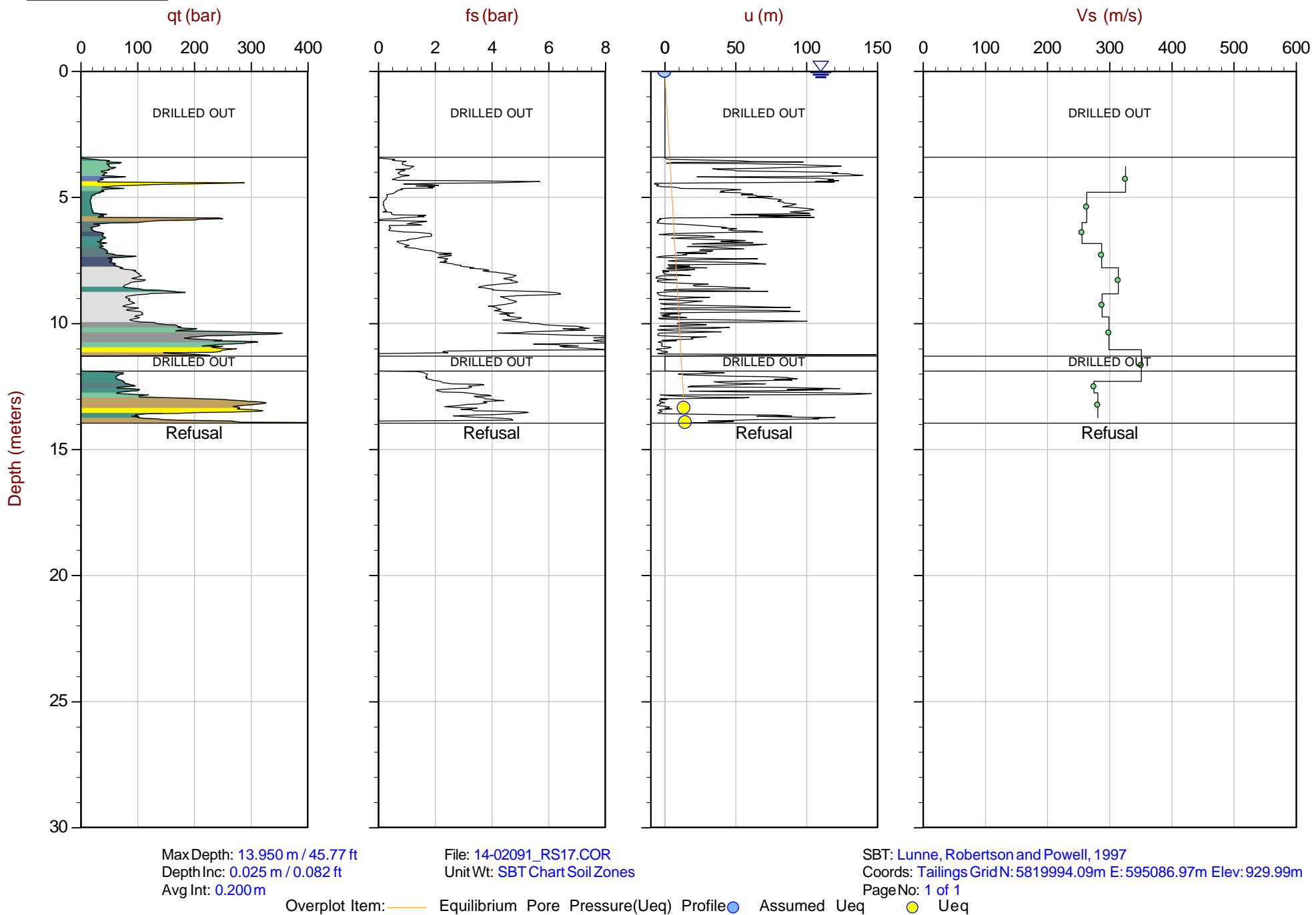


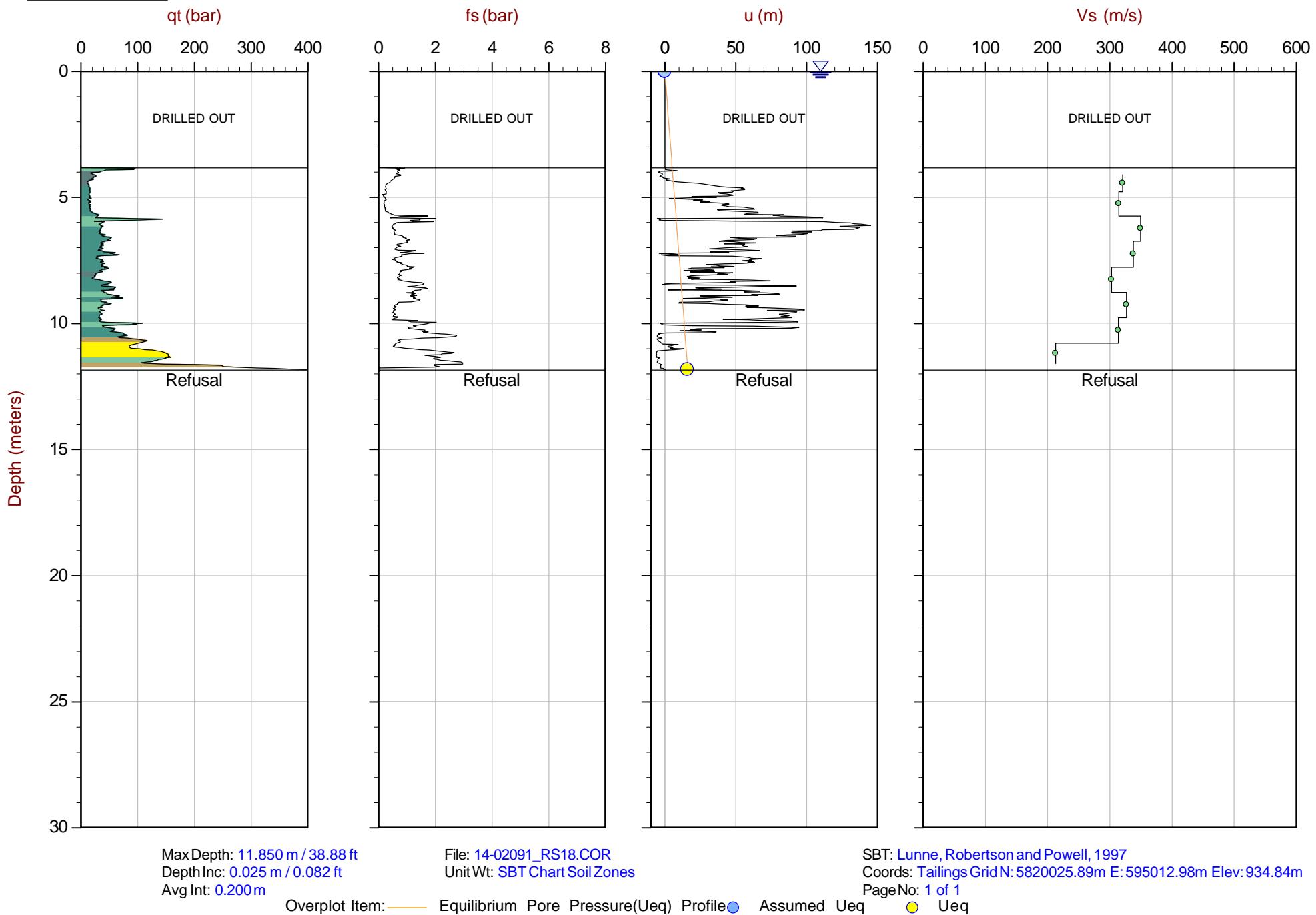
Max Depth: 8.975 m / 29.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: 0.200 m

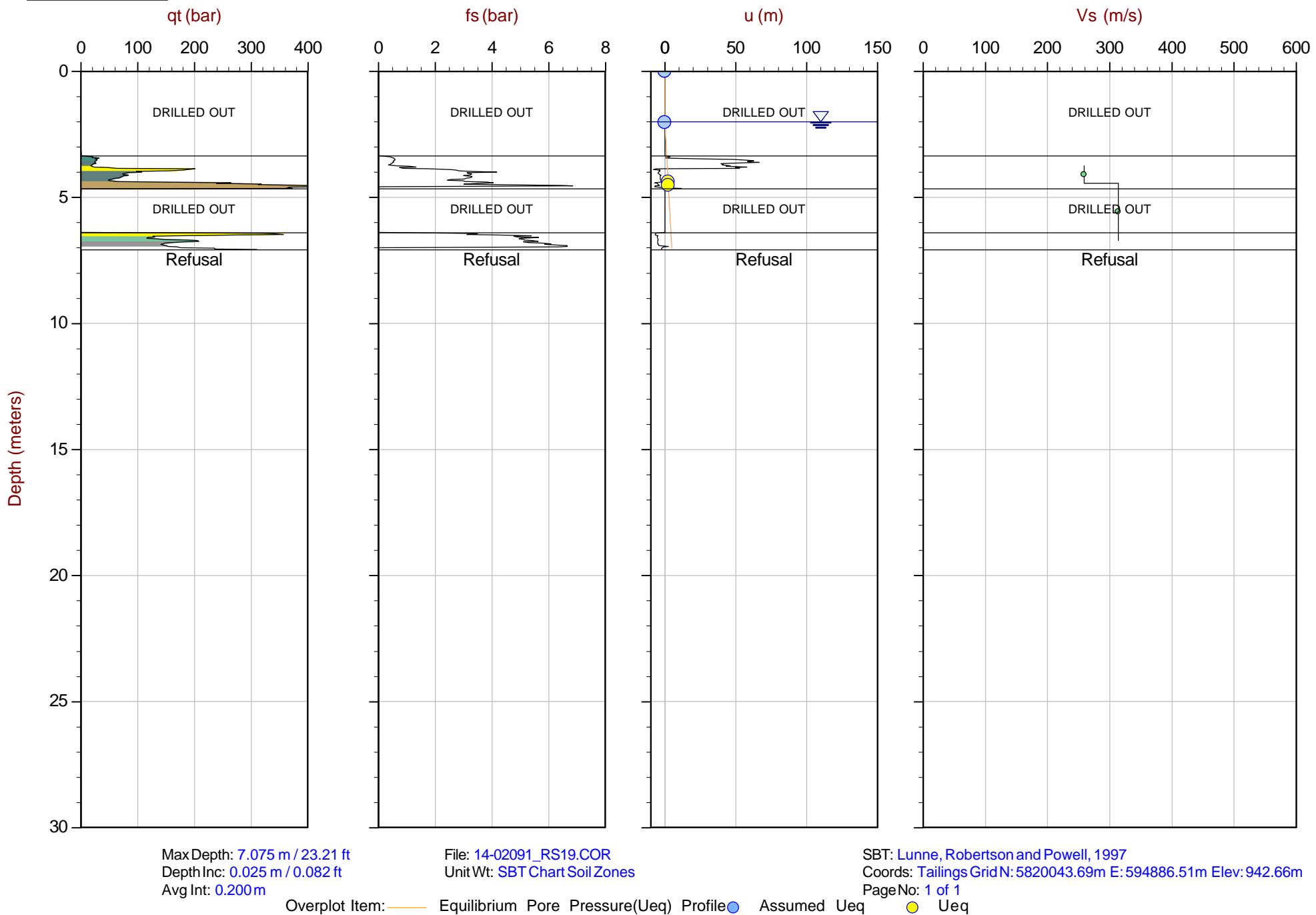
File: 14-02091_RS16C.COR
Unit Wt: SBT Chart Soil Zones

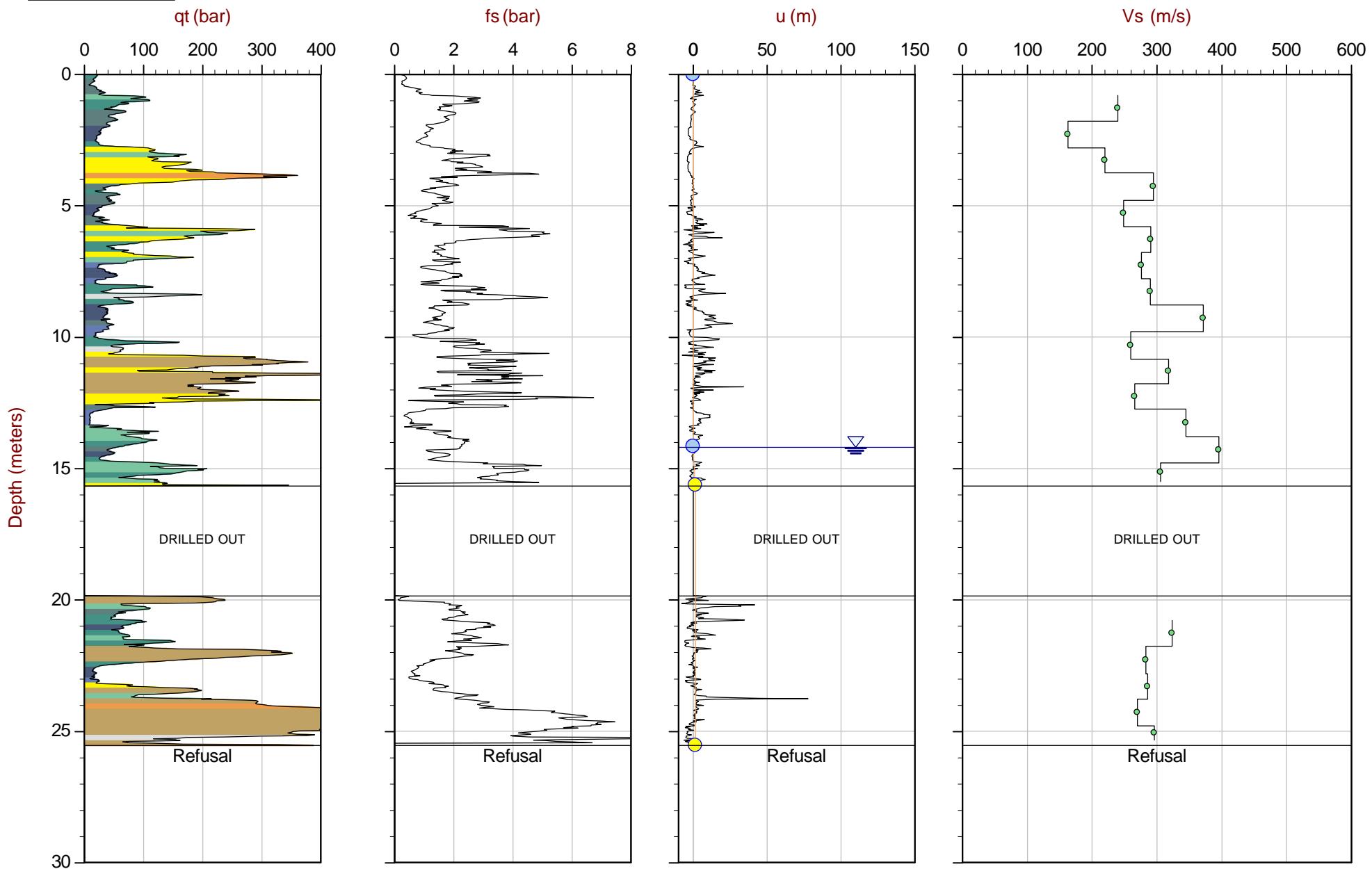
SBT: Lunne, Robertson and Powell, 1997
Coords: Tailings Grid N: 5819975.79m E: 595079.20m Elev: 930.44m
PageNo: 1 of 1

Overplot Item: — Hydrostatic Line ● Assumed Ueq ● Ueq









Max Depth: 25.550 m / 83.82 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200 m

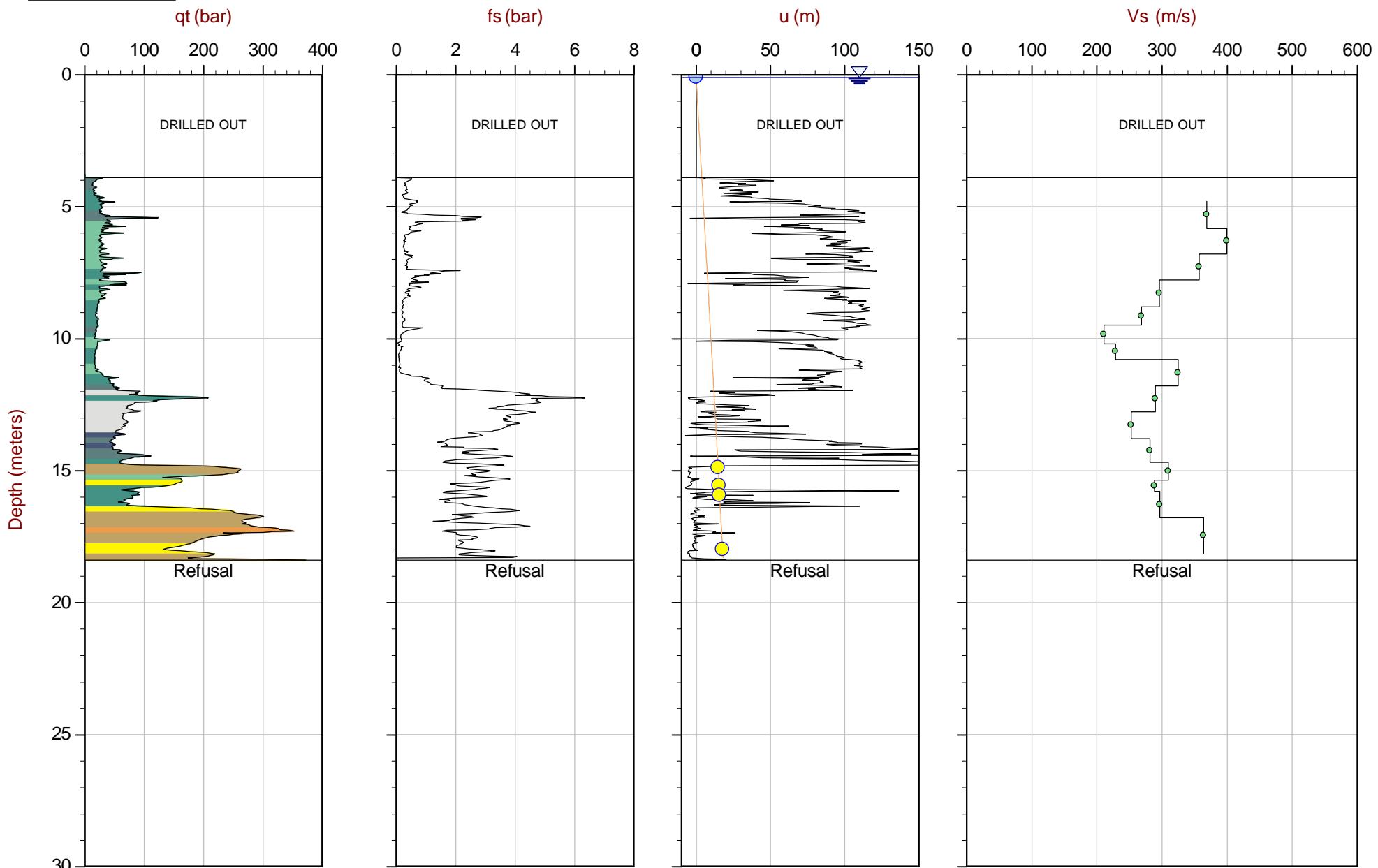
File: 14-02091_RS21.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819715.00m E: 595334.00m Elev: 968.91m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq

○ Ueq

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The elevation is based on adjacent borehole.



Max Depth: 18.400 m / 60.37 ft
 Depth Inc: 0.025 m / 0.082 ft
 Avg Int: 0.200 m

File: 14-02091_RS22.COR
 Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Tailings Grid N: 5819981.72m E: 595124.54m Elev: 929.77m
 PageNo: 1 of 1

Overplot Item: — Equilibrium Pore Pressure(Ueq) Profile ● Assumed Ueq ○ Ueq

Seismic Cone Penetration Test Tabular Results



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-01
Date: 01-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.98	3.78	3.83			
5.95	5.75	5.78	1.95	4.66	420
6.95	6.75	6.78	1.00	2.36	421
7.92	7.72	7.74	0.97	2.59	373
8.95	8.75	8.77	1.03	2.73	377
9.95	9.75	9.77	1.00	3.16	316
10.95	10.75	10.77	1.00	2.49	400
11.93	11.73	11.75	0.98	2.43	403



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-03
Date: 02-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
8.48	8.28	8.30			
9.45	9.25	9.27	0.97	4.30	225
10.53	10.33	10.35	1.08	3.99	270
11.50	11.30	11.32	0.97	5.67	171
12.00	11.80	11.82	0.50	2.47	202
12.70	12.50	12.51	0.70	3.74	187
13.30	13.10	13.11	0.60	3.20	187
14.53	14.33	14.34	1.23	4.47	275
15.60	15.40	15.41	1.07	3.33	321
17.50	17.30	17.31	1.90	5.43	349
18.52	18.32	18.33	1.02	3.74	273
19.50	19.30	19.31	0.98	2.94	333
20.53	20.33	20.34	1.03	3.53	291



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-04
Date: 04-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
6.60	6.40	6.43			
7.47	7.27	7.29	0.87	3.17	274
8.43	8.23	8.25	0.96	2.40	399
9.43	9.23	9.25	1.00	2.76	362
10.45	10.25	10.27	1.02	1.94	525
11.82	11.62	11.64	1.37	3.88	352
12.47	12.27	12.28	0.65	2.55	254
13.45	13.25	13.26	0.98	3.63	270
14.50	14.30	14.31	1.05	3.57	294
15.47	15.27	15.28	0.97	2.96	327
16.50	16.30	16.31	1.03	3.11	330
17.25	17.05	17.06	0.75	2.91	258



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-06
Date: 07-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
10.15	9.95	9.97			
10.50	10.30	10.32	0.35	0.99	353
11.50	11.30	11.32	1.00	3.24	308
12.50	12.30	12.31	1.00	2.78	359
13.55	13.35	13.36	1.05	2.54	413
13.95	13.75	13.76	0.40	1.40	285
14.53	14.33	14.34	0.58	2.78	208
15.00	14.80	14.81	0.47	2.02	232
15.50	15.30	15.31	0.50	3.03	165
16.02	15.82	15.83	0.52	2.81	185
17.00	16.80	16.81	0.98	5.81	169
18.00	17.80	17.81	1.00	4.49	223
18.60	18.40	18.41	0.60	2.19	274
20.20	20.00	20.01	1.60	5.26	304



Job No: 14-02091
Client: Mount Polley Mining Corporation.
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-07
Date: 08-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.65
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
7.00	6.80	6.83			
8.03	7.83	7.86	1.03	2.19	468
9.00	8.80	8.82	0.97	1.78	544
10.00	9.80	9.82	1.00	2.64	378
11.15	10.95	10.97	1.15	2.84	404
11.55	11.35	11.37	0.40	1.19	336
12.13	11.93	11.95	0.58	1.69	343
12.60	12.40	12.42	0.47	1.90	247
13.05	12.85	12.87	0.45	1.83	245
13.97	13.77	13.79	0.92	2.24	411



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-02
Date: 10-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.65
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
11.03	10.83	10.85			
12.07	11.87	11.89	1.04	2.41	431
12.50	12.30	12.32	0.43	1.03	416
13.50	13.30	13.32	1.00	2.11	474
16.00	15.80	15.81	2.50	5.16	484
16.50	16.30	16.31	0.50	1.20	415



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-05
Date: 27-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.45
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
14.00	13.80	13.81			
15.00	14.80	14.81	1.00	2.62	381
15.60	15.40	15.41	0.60	1.52	396
15.98	15.78	15.79	0.38	1.27	299
17.00	16.80	16.81	1.02	3.15	324
17.60	17.40	17.41	0.60	1.90	315



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-08
Date: 28-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.65
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
21.98	21.78	21.79			
23.00	22.80	22.81	1.02	2.12	481
24.00	23.80	23.81	1.00	2.59	386
25.03	24.83	24.84	1.03	2.88	357
26.03	25.83	25.84	1.00	2.58	387
27.03	26.83	26.84	1.00	2.68	373
27.98	27.78	27.79	0.95	2.37	400
28.90	28.70	28.71	0.92	1.69	543



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-10
Date: 16-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.63
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
8.97	8.77	8.79			
10.00	9.80	9.82	1.03	2.64	390
10.97	10.77	10.79	0.97	3.16	307
11.38	11.18	11.20	0.41	1.23	334
11.80	11.60	11.62	0.42	0.95	439
12.20	12.00	12.02	0.40	1.89	211
12.50	12.30	12.32	0.30	1.89	158



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-11
Date: 15-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
6.05	5.85	5.88			
6.53	6.33	6.36	0.48	1.18	405
7.03	6.83	6.86	0.50	1.33	374
7.50	7.30	7.32	0.47	1.28	367
7.98	7.78	7.80	0.48	1.38	346
8.50	8.30	8.32	0.52	1.41	368
8.95	8.75	8.77	0.45	1.16	386
10.00	9.80	9.82	1.05	2.75	381
10.63	10.42	10.44	0.62	1.69	370



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-13
Date: 31-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.55
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
7.95	7.75	7.77			
8.97	8.77	8.79	1.02	2.12	479
10.00	9.80	9.82	1.03	2.16	477
10.90	10.70	10.71	0.90	1.77	509
15.00	14.80	14.81	4.10	8.16	502
16.00	15.80	15.81	1.00	2.55	392
17.00	16.80	16.81	1.00	2.34	427
17.95	17.75	17.76	0.95	2.55	372
19.05	18.85	18.86	1.10	2.70	408
19.95	19.75	19.76	0.90	2.84	317
21.00	20.80	20.81	1.05	2.82	373
21.95	21.75	21.76	0.95	2.53	375
22.93	22.73	22.74	0.98	2.65	370



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-14
Date: 17-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.75
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
4.00	3.80	3.87			
4.98	4.78	4.84	0.97	3.11	311
6.00	5.80	5.85	1.01	3.37	299
7.03	6.83	6.87	1.02	4.36	234
8.03	7.83	7.87	0.99	4.43	225
8.95	8.75	8.78	0.92	4.89	187
9.50	9.30	9.33	0.55	3.04	180
9.97	9.77	9.80	0.47	2.18	215
10.45	10.25	10.28	0.48	2.45	196
11.00	10.80	10.83	0.55	2.78	198
12.00	11.80	11.82	1.00	3.64	274
13.00	12.80	12.82	1.00	2.64	378
13.60	13.40	13.42	0.60	1.86	323
13.98	13.78	13.80	0.38	1.25	304



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-15
Date: 20-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.65
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.98	3.78	3.84			
4.97	4.77	4.81	0.98	2.61	375
6.03	5.83	5.87	1.05	3.41	308
7.00	6.80	6.83	0.96	2.48	390
7.60	7.40	7.43	0.60	2.07	288
9.00	8.80	8.82	1.40	3.68	379
9.60	9.40	9.42	0.60	3.61	166
9.90	9.70	9.72	0.30	2.20	136
10.40	10.20	10.22	0.50	4.08	122
11.00	10.80	10.82	0.60	2.68	224
12.00	11.80	11.82	1.00	3.95	253
12.95	12.75	12.77	0.95	3.08	308
14.00	13.80	13.82	1.05	3.55	295
14.78	14.58	14.59	0.78	3.37	231
16.05	15.85	15.86	1.27	5.27	241
17.00	16.80	16.81	0.95	3.31	287
17.98	17.78	17.79	0.98	3.50	280
18.83	18.62	18.64	0.84	2.41	350



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-16
Date: 22-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.55
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
8.97	8.77	8.79			
9.98	9.78	9.80	1.01	2.66	378
10.90	10.70	10.71	0.92	2.76	332
11.98	11.78	11.79	1.08	3.22	335
12.48	12.28	12.29	0.50	1.21	414



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-16
Date: 25-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.60
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.98	2.78	2.84			
4.03	3.83	3.88	1.03	2.84	363
5.03	4.83	4.87	0.99	3.43	289
6.03	5.83	5.86	0.99	4.08	244
7.00	6.80	6.83	0.97	5.05	191
7.97	7.77	7.79	0.97	4.87	198
8.97	8.77	8.79	1.00	3.10	321



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-17
Date: 23-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.55
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.98	3.78	3.82			
5.00	4.80	4.83	1.01	3.11	326
6.20	6.00	6.03	1.19	4.54	263
7.03	6.83	6.85	0.83	3.23	256
8.00	7.80	7.82	0.97	3.37	287
9.03	8.83	8.85	1.03	3.27	314
9.95	9.75	9.77	0.92	3.19	288
11.25	11.05	11.06	1.30	4.34	299
12.50	12.30	12.31	1.25	3.56	351
12.97	12.77	12.78	0.47	1.71	275
13.95	13.75	13.76	0.98	3.49	281



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-18
Date: 24-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.47
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
4.30	4.10	4.13			
4.98	4.78	4.80	0.68	2.10	321
5.95	5.75	5.77	0.97	3.06	315
6.95	6.75	6.77	1.00	2.85	350
7.98	7.78	7.79	1.03	3.04	338
8.98	8.78	8.79	1.00	3.30	303
9.98	9.78	9.79	1.00	3.06	327
11.00	10.80	10.81	1.02	3.25	314
11.82	11.62	11.63	0.82	3.84	213



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-19
Date: 24-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.55
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.95	3.75	3.79			
4.65	4.45	4.48	0.69	2.68	259
6.92	6.72	6.74	2.26	7.20	314



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-21
Date: 01-Nov-2014

Seismic Source: Beam
Source Offset (m): 0.55
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	0.97			
1.98	1.78	1.86	0.89	3.72	240
3.00	2.80	2.85	0.99	6.08	163
3.95	3.75	3.79	0.94	4.25	220
5.00	4.80	4.83	1.04	3.52	295
6.00	5.80	5.83	0.99	3.99	249
6.98	6.78	6.80	0.98	3.35	291
7.98	7.78	7.80	1.00	3.62	276
8.98	8.78	8.80	1.00	3.44	290
10.00	9.80	9.82	1.02	2.74	372
11.05	10.85	10.86	1.05	4.03	260
11.98	11.78	11.79	0.93	2.92	318
12.95	12.75	12.76	0.97	3.65	266
14.00	13.80	13.81	1.05	3.04	345
15.00	14.80	14.81	1.00	2.52	396
15.70	15.50	15.51	0.70	2.29	306
21.00	20.80	20.81			
21.98	21.78	21.79	0.98	3.02	324
23.03	22.83	22.84	1.05	3.71	283
24.00	23.80	23.81	0.97	3.40	286
25.00	24.80	24.81	1.00	3.71	270
25.55	25.35	25.36	0.55	1.85	296



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Sounding ID: RSCPT14-22
Date: 30-Oct-2014

Seismic Source: Beam
Source Offset (m): 0.50
Source Depth (m): 0.00
Geophone Offset (m): 0.20

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
5.00	4.80	4.83			
6.03	5.83	5.85	1.03	2.78	369
7.00	6.80	6.82	0.97	2.42	400
7.98	7.78	7.80	0.98	2.74	357
9.00	8.80	8.81	1.02	3.44	296
9.70	9.50	9.51	0.70	2.60	269
10.40	10.20	10.21	0.70	3.31	211
11.00	10.80	10.81	0.60	2.62	229
12.00	11.80	11.81	1.00	3.07	325
12.98	12.78	12.79	0.98	3.37	290
14.00	13.80	13.81	1.02	4.03	253
14.90	14.70	14.71	0.90	3.19	282
15.58	15.38	15.39	0.68	2.19	310
16.00	15.80	15.81	0.42	1.45	289
17.00	16.80	16.81	1.00	3.37	297
18.35	18.15	18.16	1.35	3.71	364

Pore Pressure Dissipation (CPT) Summary and
Pore Pressure Dissipation Plots



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 01-Oct-2014
End Date: 01-Nov-2014

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm ²)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U _{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	t ₅₀ ^a (s)	Assumed Rigidity Index (I _r)	C _h ^b (cm ² /min)
RCPT14-06	14-02091_RS06	15	900	18.100	Not Achieved					
RSCPT14-01	14-02091_RS01	15	1290	3.975	Not Achieved					
RSCPT14-01	14-02091_RS01	15	3500	5.950	Not Achieved		1.9	2884	100	0.2
RSCPT14-01	14-02091_RS01	15	1200	7.925	Not Achieved		1.9	344	100	2.0
RSCPT14-01	14-02091_RS01	15	3300	8.950	7.0	1.9		70	100	10.1
RSCPT14-01	14-02091_RS01	15	1200	10.950	Not Achieved		1.9	963	100	0.7
RSCPT14-01	14-02091_RS01	15	250	12.000	Not Achieved					
RSCPT14-02	14-02091_RS02	15	1815	10.000	Not Achieved					
RSCPT14-02	14-02091_RS02	15	2000	11.000	Not Achieved		3.0	1282	100	0.6
RSCPT14-02	14-02091_RS02	15	2900	11.525	Not Achieved		3.0	2058	100	0.3
RSCPT14-02	14-02091_RS02	15	1800	12.075	Not Achieved					
RSCPT14-02	14-02091_RS02	15	3300	12.475	Not Achieved		3.0	2085	100	0.3
RSCPT14-02	14-02091_RS02	15	800	13.075	Not Achieved		3.0	211	100	3.3
RSCPT14-02	14-02091_RS02	15	2800	13.725	Not Achieved		3.0			
RSCPT14-02	14-02091_RS02	15	4500	15.550	Not Achieved		3.0	215	100	3.3
RSCPT14-02	14-02091_RS02	15	600	16.050	13.0	3.0				
RSCPT14-02	14-02091_RS02	15	300	16.600	Not Achieved					
RSCPT14-03	14-02091_RS03	15	3300	6.500	Not Achieved		2.6	2771	100	0.3
RSCPT14-03	14-02091_RS03	15	900	7.425	Not Achieved					
RSCPT14-03	14-02091_RS03	15	4200	8.475	Not Achieved		2.6	3457	100	0.2
RSCPT14-03	14-02091_RS03	15	600	10.525	Not Achieved		2.6	297	100	2.4
RSCPT14-03	14-02091_RS03	15	3300	12.000	Not Achieved		2.6	2130	100	0.3
RSCPT14-03	14-02091_RS03	15	900	12.700	Not Achieved		2.6	272	100	2.6
RSCPT14-03	14-02091_RS03	15	205	13.300	Not Achieved					
RSCPT14-03	14-02091_RS03	15	1000	15.850	Not Achieved		2.6	179	100	3.9
RSCPT14-03	14-02091_RS03	15	1500	16.500	Not Achieved		2.6	950	100	0.7
RSCPT14-03	14-02091_RS03	15	800	17.625	Not Achieved		2.6	396	100	1.8
RSCPT14-03	14-02091_RS03	15	600	18.000	Not Achieved		2.6	257	100	2.7
RSCPT14-03	14-02091_RS03	15	4500	18.525	15.9	2.6				
RSCPT14-03	14-02091_RS03	15	600	19.500	16.4	3.1				
RSCPT14-03	14-02091_RS03	15	800	20.000	17.0	3.0				
RSCPT14-03	14-02091_RS03	15	240	20.275	16.5	3.7				
RSCPT14-03	14-02091_RS03	15	130	20.400	17.4	3.0				
RSCPT14-03	14-02091_RS03	15	1300	20.525	17.5	3.0				
RSCPT14-04	14-02091_RS04	15	2000	6.500	Not Achieved					
RSCPT14-04	14-02091_RS04	15	490	7.475	1.0	6.5				
RSCPT14-04	14-02091_RS04	15	900	8.425	1.0	7.4				
RSCPT14-04	14-02091_RS04	15	11600	10.450	Not Achieved					
RSCPT14-04	14-02091_RS04	15	9000	11.825	Not Achieved					
RSCPT14-04	14-02091_RS04	15	590	13.400	Not Achieved					
RSCPT14-04	14-02091_RS04	15	640	14.250	Not Achieved					



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 01-Oct-2014
End Date: 01-Nov-2014

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm ²)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U _{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	t ₅₀ ^a (s)	Assumed Rigidity Index (l _r)	c _h ^b (cm ² /min)
RSCPT14-04	14-02091_RS04	15	1500	15.425	Not Achieved		6.5	1034	100	0.7
RSCPT14-04	14-02091_RS04	15	2100	16.500	13.7	2.8				
RSCPT14-04	14-02091_RS04	15	600	17.175	14.5	2.7				
RSCPT14-04	14-02091_RS04	15	245	17.250	Not Achieved					
RSCPT14-05	14-02091_RS05	15	600	15.025	Not Achieved					
RSCPT14-05	14-02091_RS05	15	1800	15.575	Not Achieved					
RSCPT14-05	14-02091_RS05	15	600	17.000	Not Achieved					
RSCPT14-05	14-02091_RS05	15	1095	17.300	Not Achieved		0.0	1024	100	0.7
RSCPT14-05	14-02091_RS05	15	600	17.600	Not Achieved					
RSCPT14-06	14-02091_RS06	15	1000	10.075	Not Achieved					
RSCPT14-06	14-02091_RS06	15	2500	10.475	Not Achieved					
RSCPT14-06	14-02091_RS06	15	2500	12.000	Not Achieved					
RSCPT14-06	14-02091_RS06	15	1800	13.550	Not Achieved					
RSCPT14-06	14-02091_RS06	15	900	13.950	Not Achieved					
RSCPT14-06	14-02091_RS06	15	600	15.000	Not Achieved		0.0	104	100	6.8
RSCPT14-06	14-02091_RS06	15	3900	15.450	Not Achieved		0.0	132	100	5.3
RSCPT14-06	14-02091_RS06	15	400	16.000	Not Achieved		0.0	135	100	5.2
RSCPT14-06	14-02091_RS06	15	2400	17.000	Not Achieved		0.0	1590	100	0.4
RSCPT14-06	14-02091_RS06	15	3600	18.550	Not Achieved					
RSCPT14-06	14-02091_RS06	15	650	19.950	Not Achieved		0.0	211	100	3.3
RSCPT14-06	14-02091_RS06	15	950	20.225	Not Achieved					
RSCPT14-07	14-02091_RS07	15	1800	7.000	Not Achieved					
RSCPT14-07	14-02091_RS07	15	1800	9.000	Not Achieved					
RSCPT14-07	14-02091_RS07	15	2100	11.200	Not Achieved		0.0	1187	100	0.6
RSCPT14-07	14-02091_RS07	15	1800	11.600	Not Achieved		0.0	1001	100	0.7
RSCPT14-07	14-02091_RS07	15	1400	12.125	Not Achieved		0.0	924	100	0.8
RSCPT14-07	14-02091_RS07	15	1200	12.625	13.1	-0.5				
RSCPT14-07	14-02091_RS07	15	240	13.975	Not Achieved					
RSCPT14-07	14-02091_RS07	15	600	14.175	15.2	-1.1		185	100	3.8
RSCPT14-08	14-02091_RS08	15	920	21.750	Not Achieved		0.0	98	100	7.2
RSCPT14-08	14-02091_RS08	15	600	22.950	Not Achieved					
RSCPT14-08	14-02091_RS08	15	1800	24.000	Not Achieved					
RSCPT14-08	14-02091_RS08	15	505	25.025	Not Achieved					
RSCPT14-08	14-02091_RS08	15	1100	27.025	Not Achieved		0.0	466	100	1.5
RSCPT14-08	14-02091_RS08	15	1300	28.875	Not Achieved		0.0	218	100	3.2
RSCPT14-10	14-02091_RS10	15	1800	10.025	Not Achieved					
RSCPT14-10	14-02091_RS10	15	1200	10.975	Not Achieved					
RSCPT14-10	14-02091_RS10	15	1200	11.375	Not Achieved		2.6	848	100	0.8
RSCPT14-10	14-02091_RS10	15	1500	11.750	Not Achieved		2.6	623	100	1.1
RSCPT14-10	14-02091_RS10	15	2200	12.200	Not Achieved		2.6	1074	100	0.7
RSCPT14-10	14-02091_RS10	15	400	12.475	9.9	2.6		13	100	53.1



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 01-Oct-2014
End Date: 01-Nov-2014

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm ²)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U _{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	t ₅₀ ^a (s)	Assumed Rigidity Index (l _r)	C _h ^b (cm ² /min)
RSCPT14-10	14-02091_RS10	15	2400	15.800	Not Achieved		2.6	100	100	7.0
RSCPT14-10	14-02091_RS10	15	2200	16.200	14.1	2.1				
RSCPT14-11	14-02091_RS11	15	400	10.625	Not Achieved					
RSCPT14-13	14-02091_RS13	15	895	6.975	Not Achieved					
RSCPT14-13	14-02091_RS13	15	400	10.900	Not Achieved					
RSCPT14-13	14-02091_RS13	15	3600	19.450	Not Achieved		0.0	49	100	14.2
RSCPT14-13	14-02091_RS13	15	300	22.925	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1800	3.950	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1800	6.000	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1800	8.025	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1800	9.500	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1900	9.950	Not Achieved					
RSCPT14-14	14-02091_RS14	15	1850	10.450	Not Achieved					
RSCPT14-14	14-02091_RS14	15	5400	11.000	Not Achieved		0.6	1435	100	0.5
RSCPT14-14	14-02091_RS14	15	1175	12.200	Not Achieved					
RSCPT14-14	14-02091_RS14	15	3900	13.025	Not Achieved		0.6	2686	100	0.3
RSCPT14-14	14-02091_RS14	15	2700	13.200	Not Achieved		0.6	1714	100	0.4
RSCPT14-14	14-02091_RS14	15	1300	13.400	Not Achieved		0.6	642	100	1.1
RSCPT14-14	14-02091_RS14	15	1100	13.600	Not Achieved		0.6	808	100	0.9
RSCPT14-14	14-02091_RS14	15	600	13.975	13.4	0.6				
RSCPT14-15	14-02091_RS15	15	655	4.950	Not Achieved					
RSCPT14-15	14-02091_RS15	15	1205	7.000	Not Achieved					
RSCPT14-15	14-02091_RS15	15	2200	7.575	Not Achieved		0.4	1291	100	0.5
RSCPT14-15	14-02091_RS15	15	1800	8.950	Not Achieved					
RSCPT14-15	14-02091_RS15	15	1800	9.600	Not Achieved					
RSCPT14-15	14-02091_RS15	15	1600	9.875	Not Achieved					
RSCPT14-15	14-02091_RS15	15	300	10.400	Not Achieved		0.4			
RSCPT14-15	14-02091_RS15	15	1600	12.000	Not Achieved		0.4	1115	100	0.6
RSCPT14-15	14-02091_RS15	15	950	12.525	Not Achieved					
RSCPT14-15	14-02091_RS15	15	5000	14.425	Not Achieved		0.4	2514	100	0.3
RSCPT14-15	14-02091_RS15	15	600	14.800	Not Achieved		0.4	70	100	10.1
RSCPT14-15	14-02091_RS15	15	900	15.425	15.0	0.4				
RSCPT14-15	14-02091_RS15	15	800	17.000	Not Achieved					
RSCPT14-15	14-02091_RS15	15	550	18.825	Not Achieved					
RSCPT14-16	14-02091_RS16b	15	520	8.525	Not Achieved		0.0	425	100	1.7
RSCPT14-16	14-02091_RS16b	15	255	11.275	Not Achieved					
RSCPT14-16	14-02091_RS16b	15	800	11.975	Not Achieved		0.0	307	100	2.3
RSCPT14-16	14-02091_RS16b	15	3200	12.475	15.8	-3.4				
RSCPT14-16	14-02091_RS16c	15	900	8.975	Not Achieved		0.0	611	100	1.2
RSCPT14-17	14-02091_RS17	15	825	4.400	Not Achieved					
RSCPT14-17	14-02091_RS17	15	4500	4.975	Not Achieved		0.0	3584	100	0.2



Job No: 14-02091
 Client: Mount Polley Mining Corporation
 Project: Mount Polley Mine, Likely, BC
 Start Date: 01-Oct-2014
 End Date: 01-Nov-2014

CPT_u PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm ²)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U _{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	t ₅₀ ^a (s)	Assumed Rigidity Index (l _r)	C _h ^b (cm ² /min)
RSCPT14-17	14-02091_RS17	15	3900	6.200	Not Achieved		0.0	2842	100	0.3
RSCPT14-17	14-02091_RS17	15	1800	9.025	Not Achieved		0.0	936	100	0.8
RSCPT14-17	14-02091_RS17	15	470	11.175	Not Achieved		0.0	90	100	7.8
RSCPT14-17	14-02091_RS17	15	300	11.275	Not Achieved					
RSCPT14-17	14-02091_RS17	15	900	12.500	Not Achieved		0.0	481	100	1.5
RSCPT14-17	14-02091_RS17	15	825	12.825	Not Achieved		0.0	122	100	5.8
RSCPT14-17	14-02091_RS17	15	500	13.375	13.6	-0.2				
RSCPT14-17	14-02091_RS17	15	1400	13.950	14.4	-0.5				
RSCPT14-18	14-02091_RS18	15	900	11.850	16.2	-4.3				
RSCPT14-19	14-02091_RS19	15	900	4.400	2.4	2.1				
RSCPT14-19	14-02091_RS19	15	400	4.525	2.4	2.1				
RSCPT14-19	14-02091_RS19	15	720	4.650	Not Achieved					
RSCPT14-21	14-02091_RS21	15	710	3.325	Not Achieved					
RSCPT14-21	14-02091_RS21	15	4400	5.000	Not Achieved					
RSCPT14-21	14-02091_RS21	15	3600	10.000	Not Achieved					
RSCPT14-21	14-02091_RS21	15	5450	15.000	Not Achieved					
RSCPT14-21	14-02091_RS21	15	600	15.650	1.5	14.2				
RSCPT14-21	14-02091_RS21	15	935	21.525	Not Achieved					
RSCPT14-21	14-02091_RS21	15	5100	23.025	Not Achieved		14.2	1519	100	0.5
RSCPT14-21	14-02091_RS21	15	300	25.550	1.5	24.1				
RSCPT14-22	14-02091_RS22	15	3400	4.975	Not Achieved		0.1	2868	100	0.2
RSCPT14-22	14-02091_RS22	15	1800	7.000	Not Achieved					
RSCPT14-22	14-02091_RS22	15	1800	9.000	Not Achieved					
RSCPT14-22	14-02091_RS22	15	1000	9.675	Not Achieved		0.1	499	100	1.4
RSCPT14-22	14-02091_RS22	15	1800	10.375	Not Achieved		0.1	1306	100	0.5
RSCPT14-22	14-02091_RS22	15	2300	11.975	Not Achieved		0.1	1589	100	0.4
RSCPT14-22	14-02091_RS22	15	600	14.200	Not Achieved		0.1	261	100	2.7
RSCPT14-22	14-02091_RS22	15	1500	14.900	14.8	0.1				
RSCPT14-22	14-02091_RS22	15	900	15.575	15.5	0.1				
RSCPT14-22	14-02091_RS22	15	1200	15.950	15.8	0.1				
RSCPT14-22	14-02091_RS22	15	1600	18.000	17.8	0.2				
RSCPT14-22	14-02091_RS22	15	300	18.400	Not Achieved					

a. Time is relative to where umax occurred

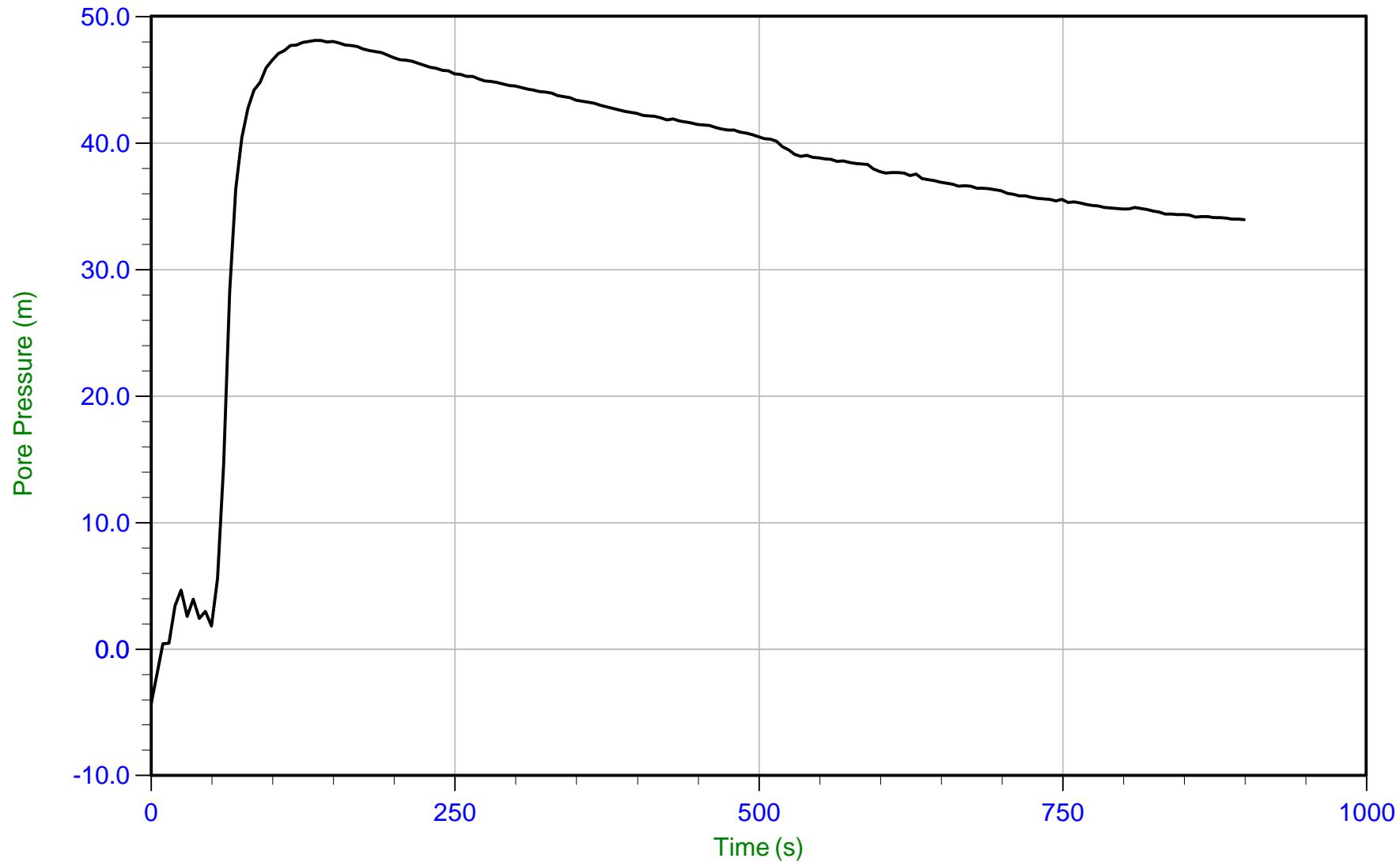
b. Housby and Teh, 1991

CONETEC

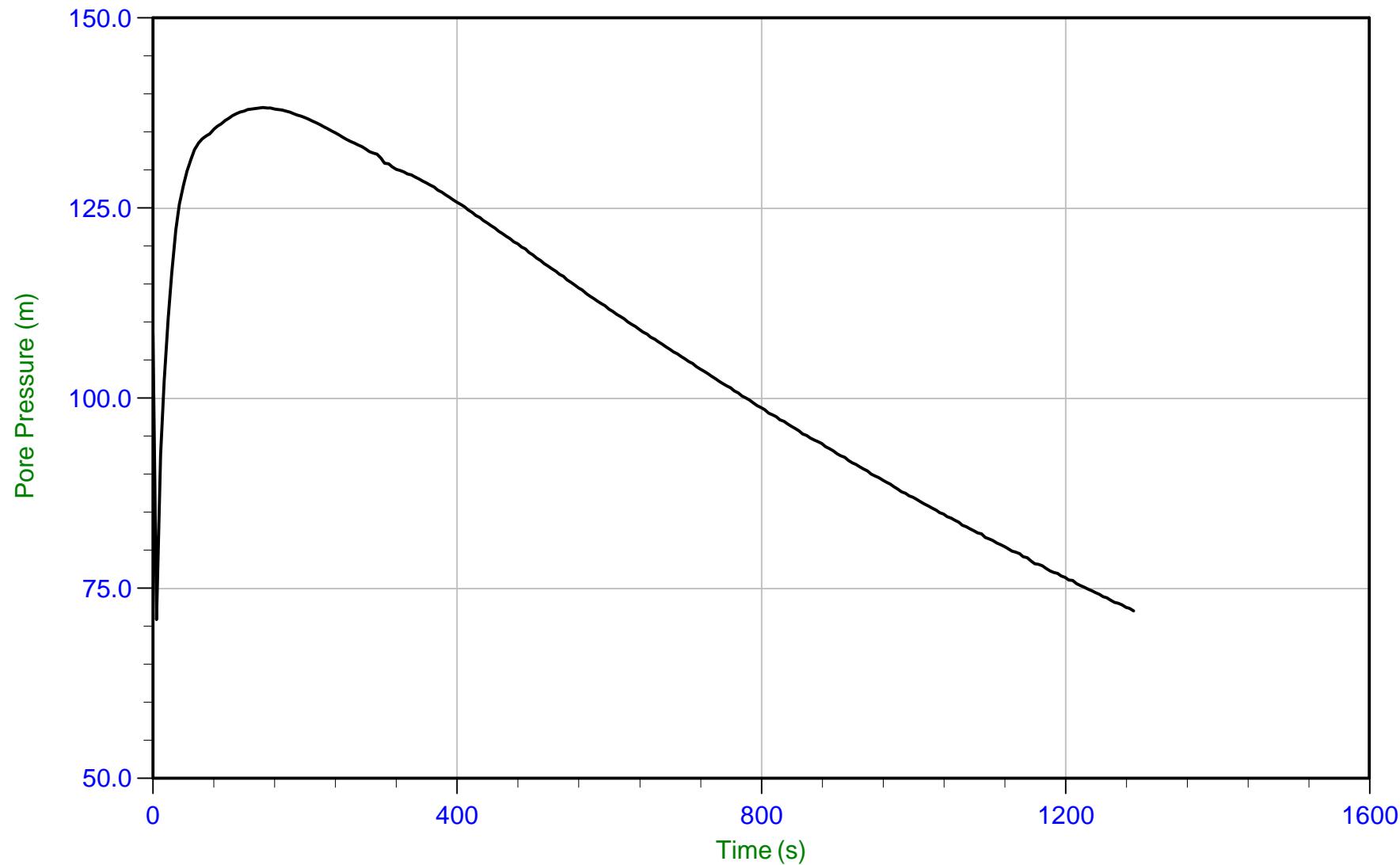
Mount Polley

Job No: 14-02091
Date: 10/17/2014 09:13
Site: Mount Polley Mine, Likely, BC

Sounding: RCPT14-06
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RP06.PPF
Depth: 18.100 m / 59.382 ft U Min: -4.3 m
Duration: 900.0 s U Max: 48.1 m



Trace Summary: Filename: 14-02091_RS01.PPF
Depth: 3.975 m / 13.041 ft U Min: 70.9 m
Duration: 1290.0 s U Max: 138.2 m

CONETEC

Mount Polley

Job No: 14-02091

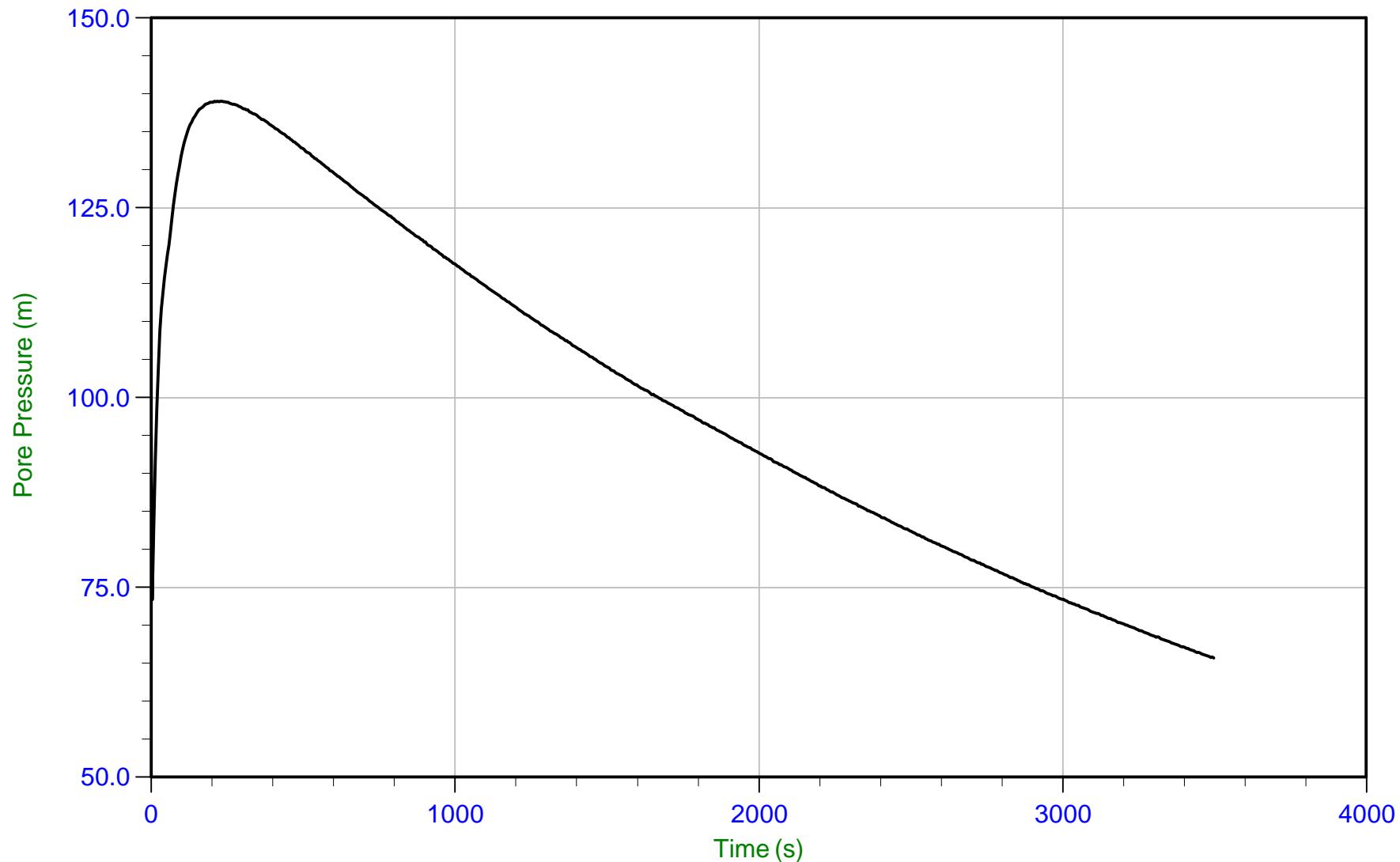
Date: 10/01/2014 09:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-01

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS01.PPF

Depth: 5.950 m / 19.521 ft

Duration: 3500.0 s

U Min: 65.7 m

U Max: 139.0 m

CONETEC

Mount Polley

Job No: 14-02091

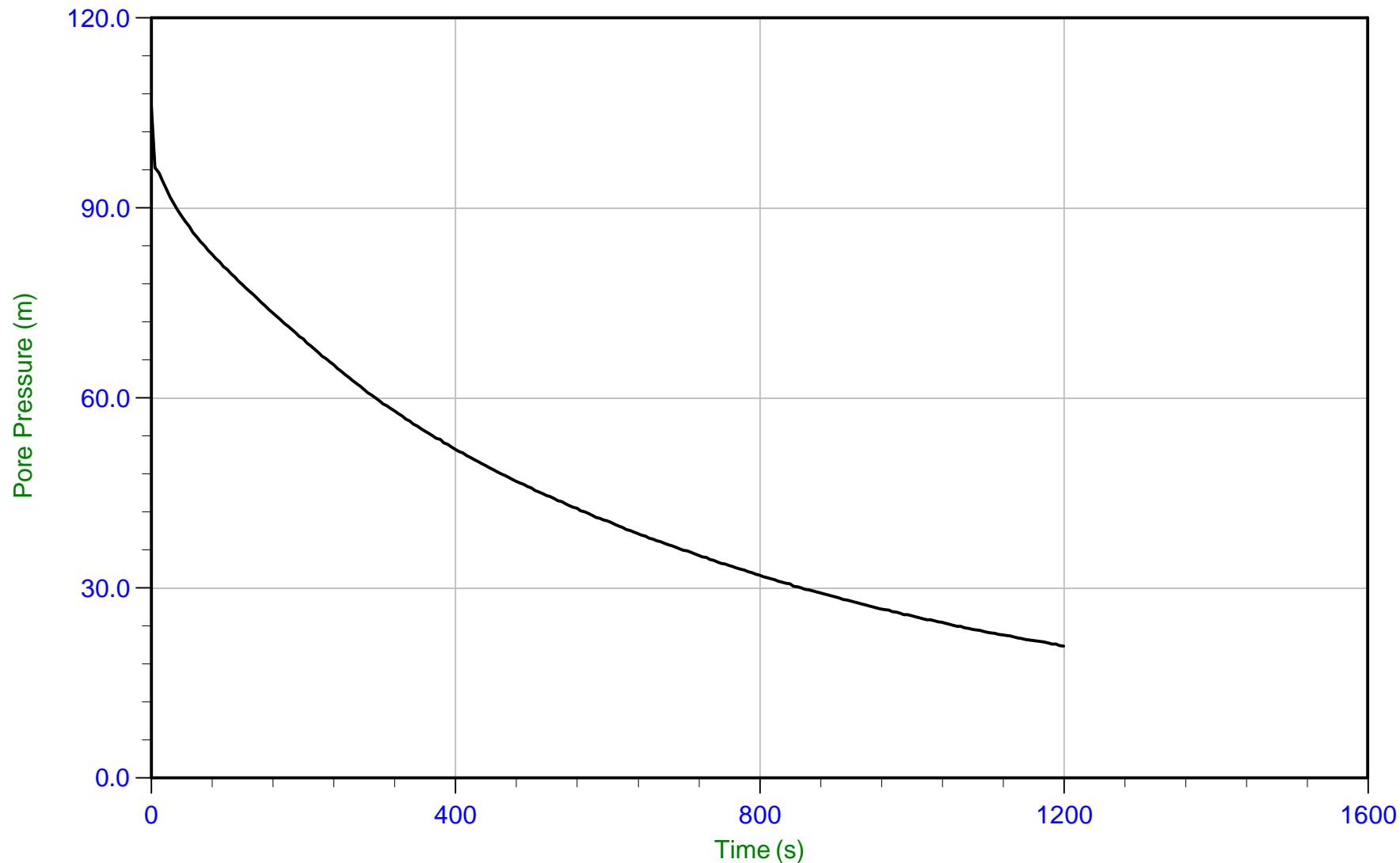
Date: 10/01/2014 09:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-01

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS01.PPF

Depth: 7.925 m / 26.000 ft

Duration: 1200.0 s

U Min: 20.8 m

U Max: 105.9 m

CONETEC

Mount Polley

Job No: 14-02091

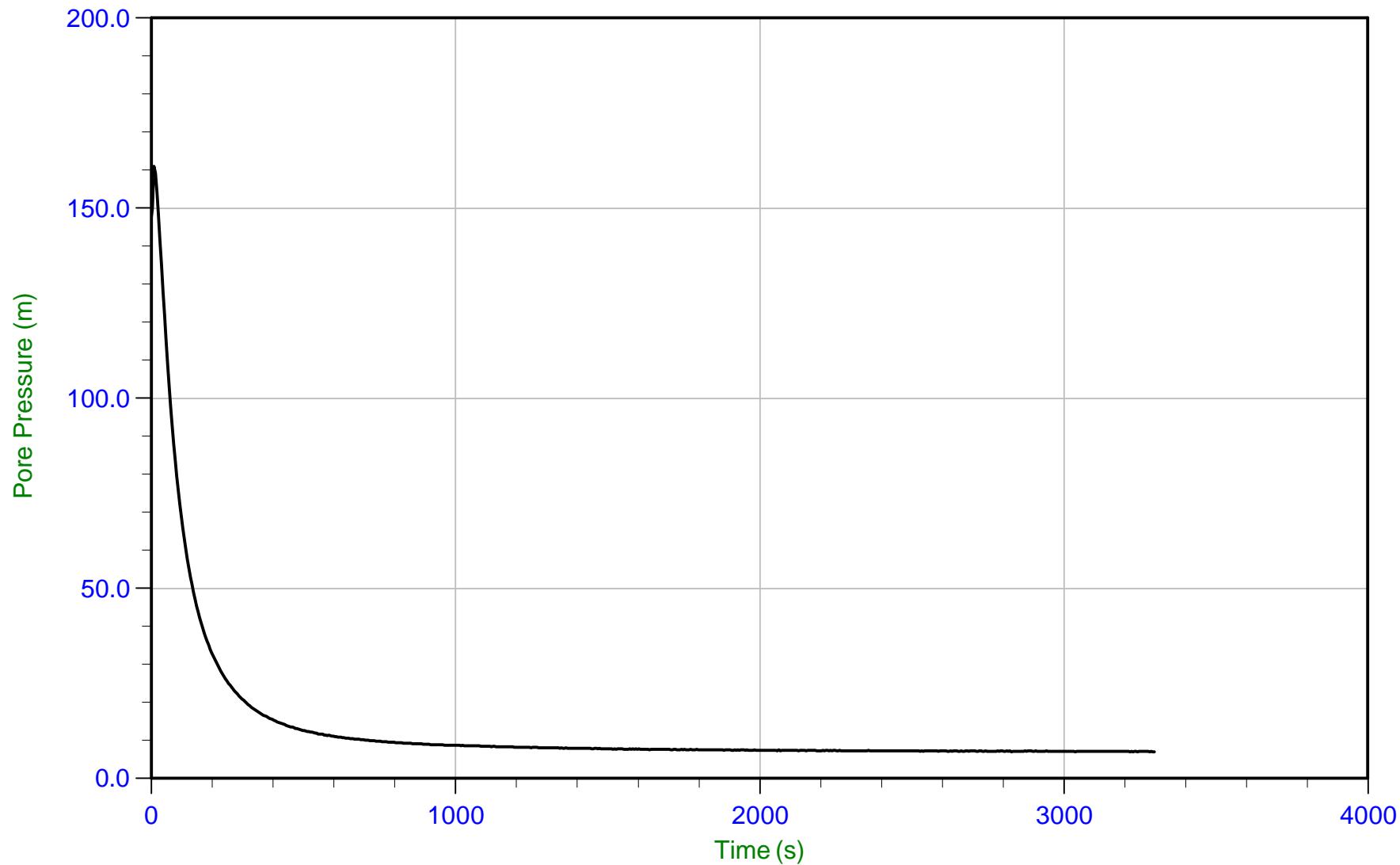
Date: 10/01/2014 09:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-01

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

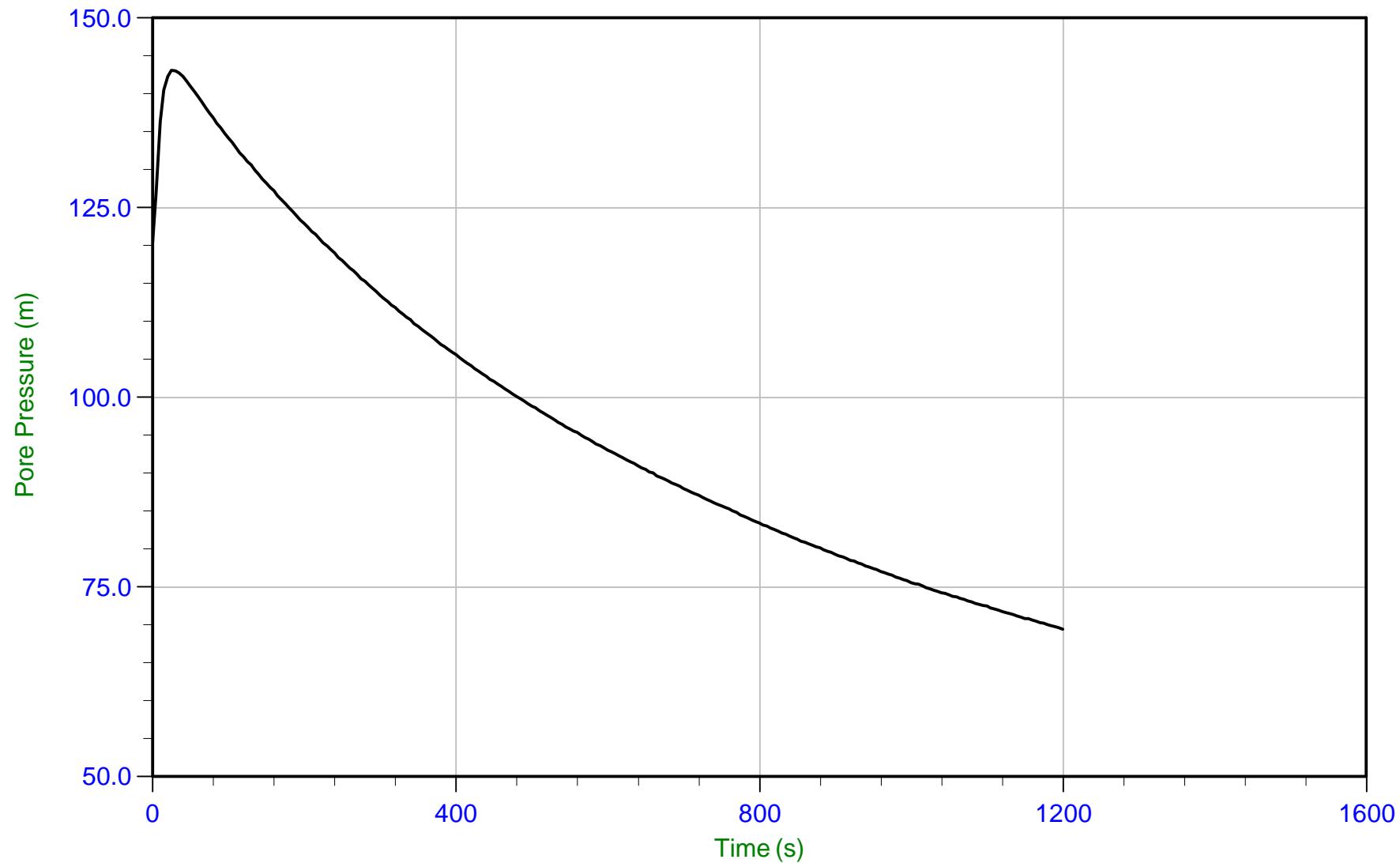
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Depth: 8.950 m / 29.363 ft

Duration: 3300.0 s

U Min: 7.0 m

U Max: 161.0 m



Trace Summary:

Filename: 14-02091_RS01.PPF

Depth: 10.950 m / 35.925 ft

Duration: 1200.0 s

U Min: 69.5 m

U Max: 143.1 m

CONETEC

Mount Polley

Job No: 14-02091

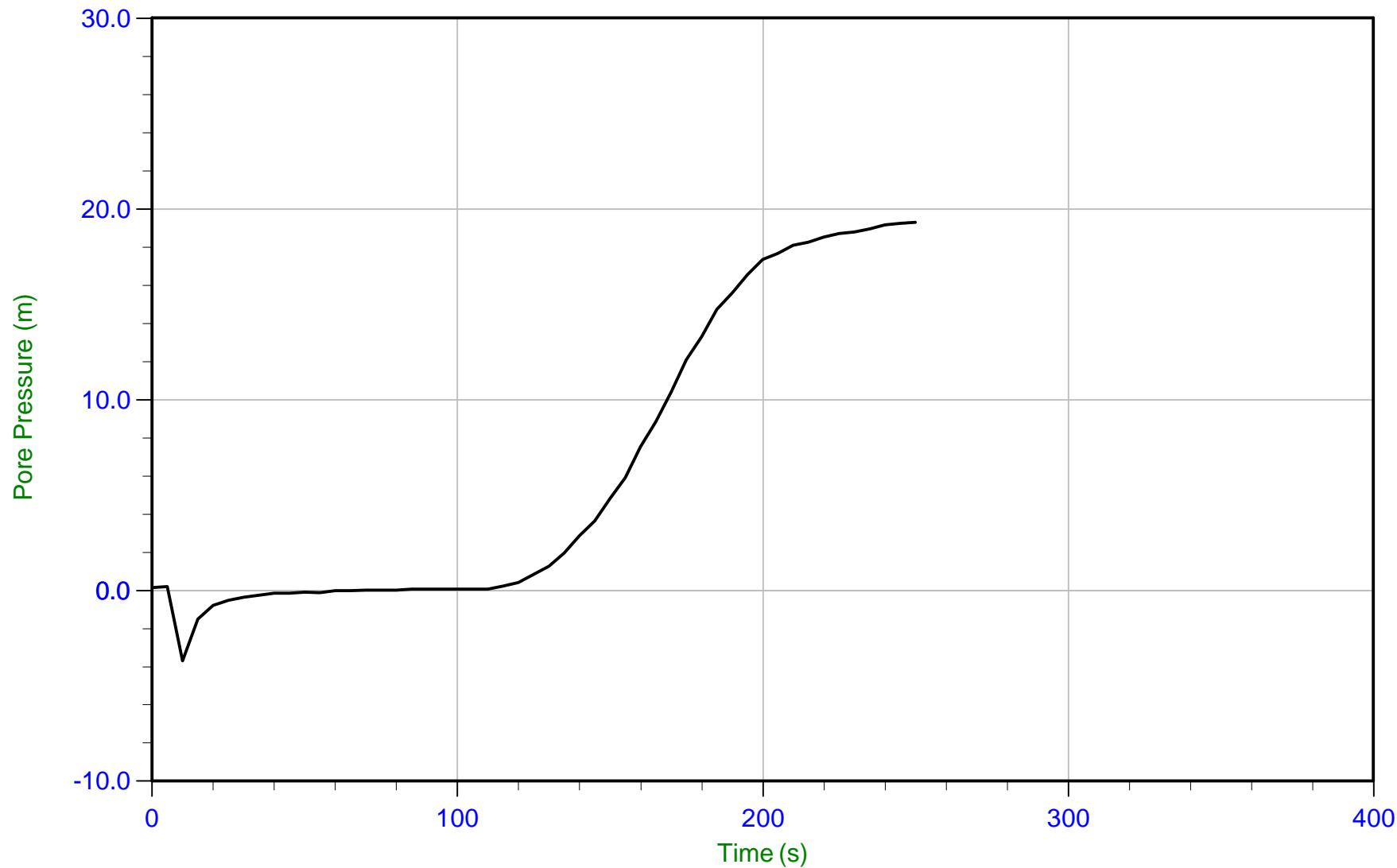
Date: 10/01/2014 09:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-01

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS01.PPF

Depth: 12.000 m / 39.370 ft

Duration: 250.0 s

U Min: -3.7 m

U Max: 19.3 m

CONETEC

Mount Polley

Job No: 14-02091

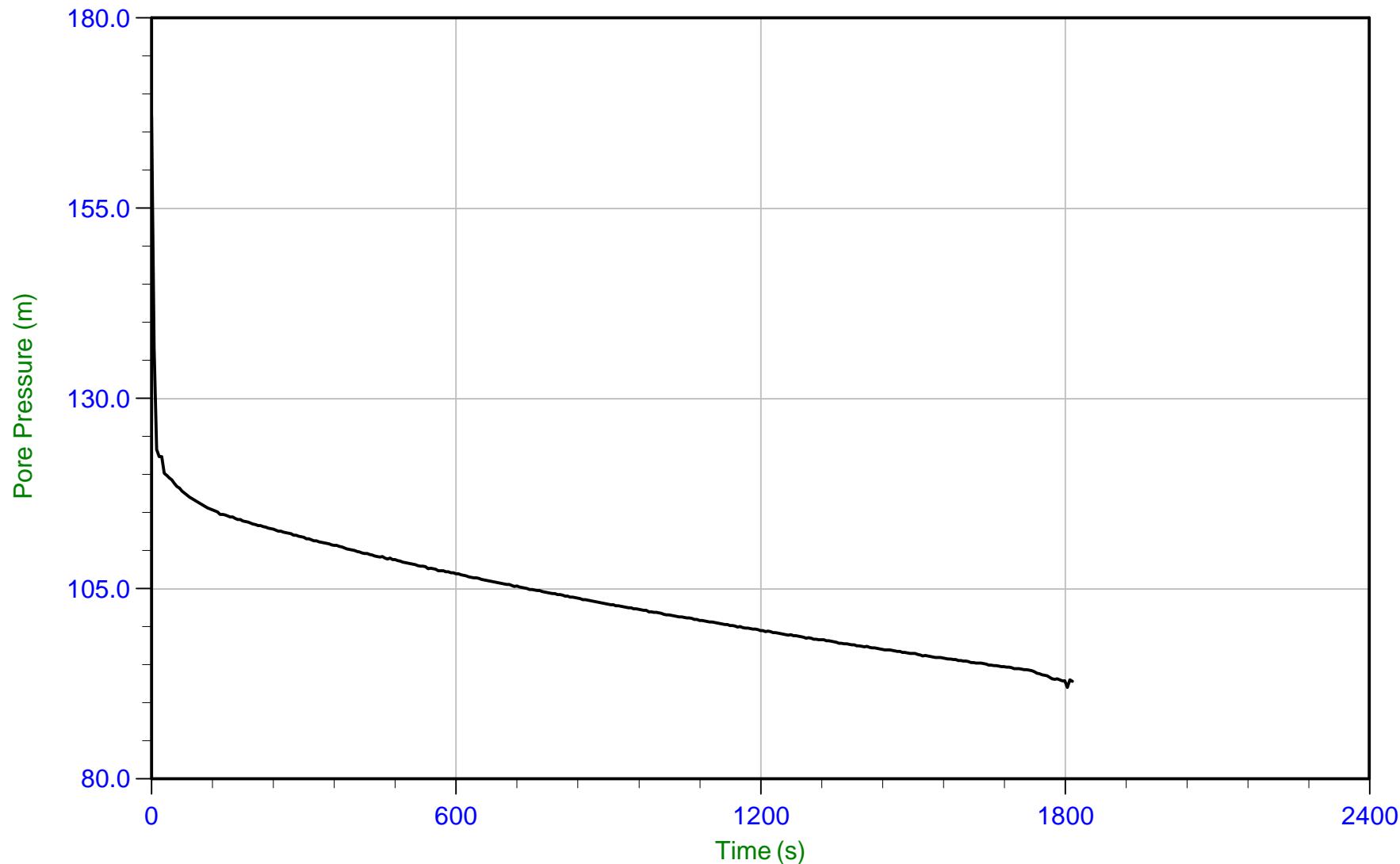
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

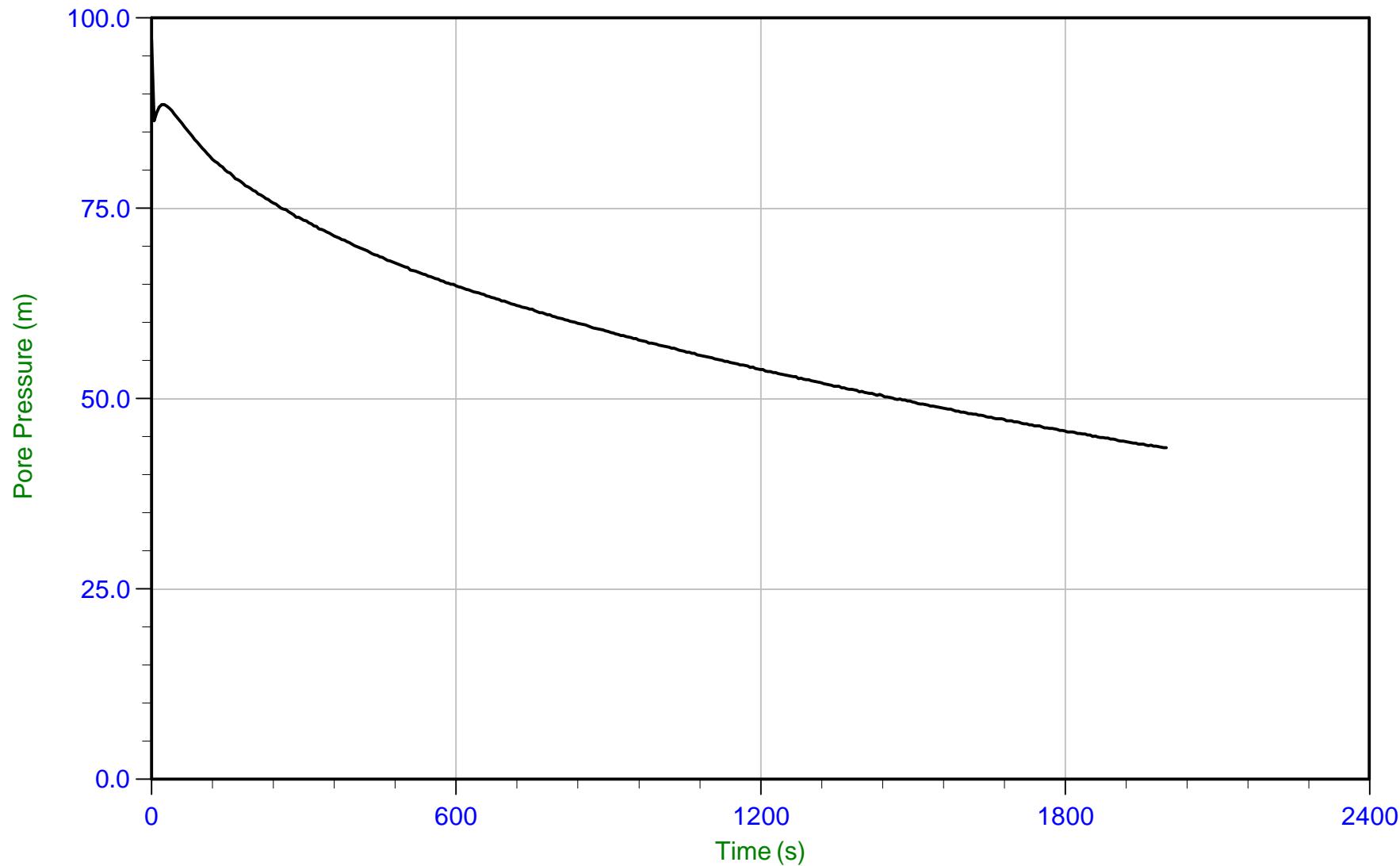
Filename: 14-02091_RS02.PPF

Depth: 10.000 m / 32.808 ft

Duration: 1815.0 s

U Min: 92.1 m

U Max: 167.2 m



Trace Summary: Filename: 14-02091_RS02.PPF
Depth: 11.000 m / 36.089 ft
Duration: 2000.0 s

U Min: 43.5 m
U Max: 97.3 m

CONETEC

Mount Polley

Job No: 14-02091

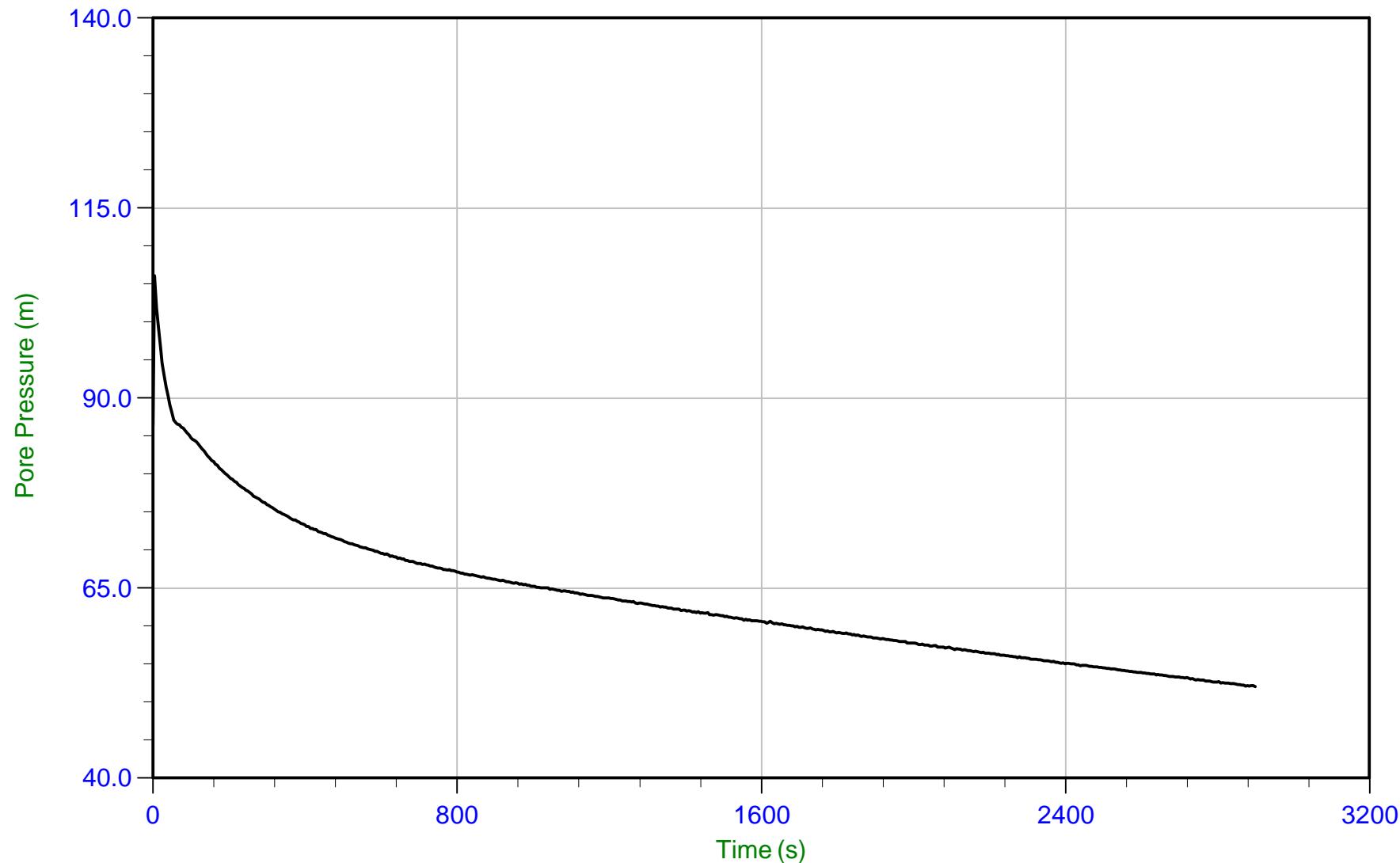
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS02.PPF

Depth: 11.525 m / 37.811 ft

Duration: 2900.0 s

U Min: 52.0 m

U Max: 106.1 m

CONETEC

Mount Polley

Job No: 14-02091

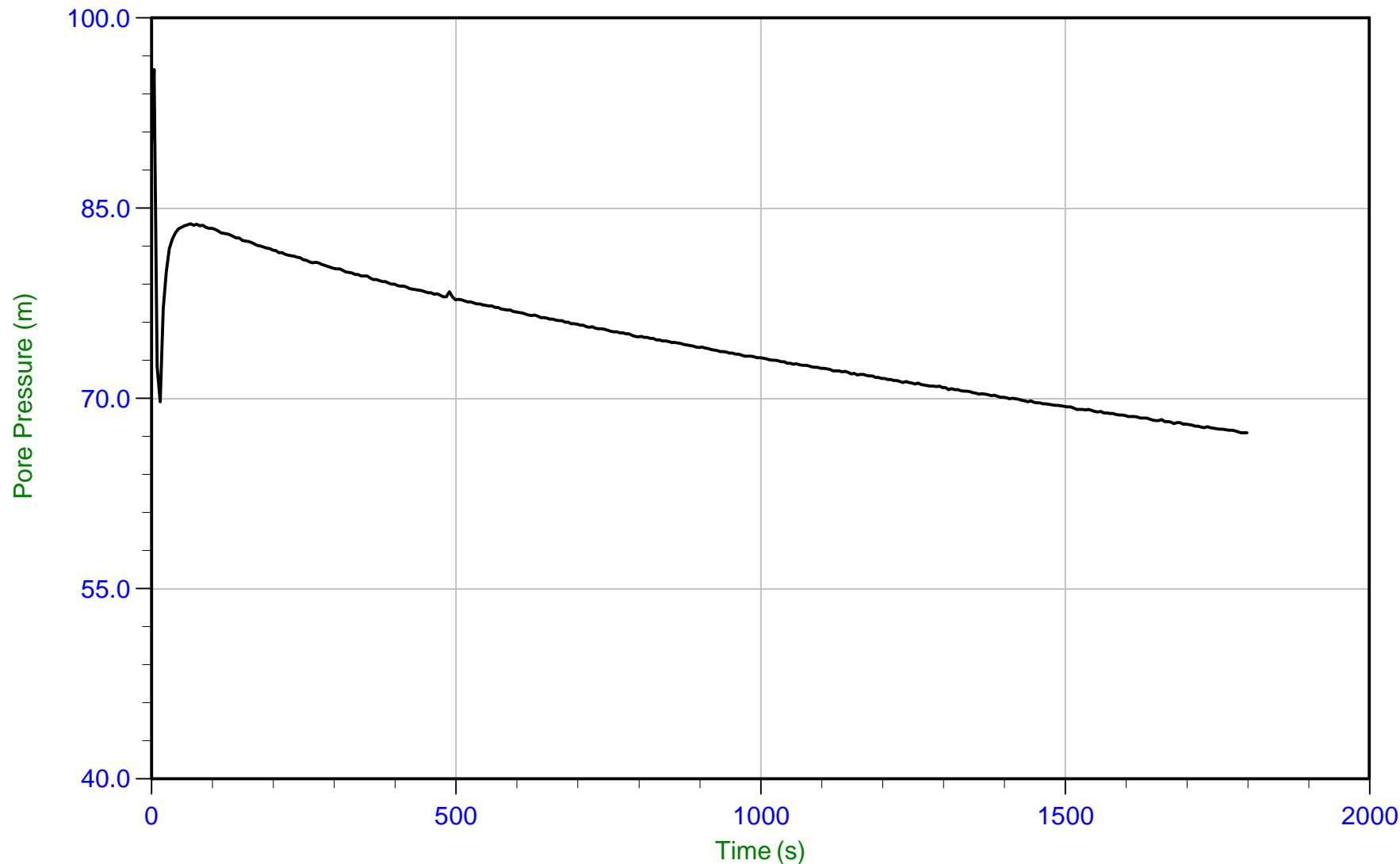
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS02.PPF

Depth: 12.075 m / 39.616 ft

Duration: 1800.0 s

U Min: 67.3 m

U Max: 95.9 m

CONETEC

Mount Polley

Job No: 14-02091

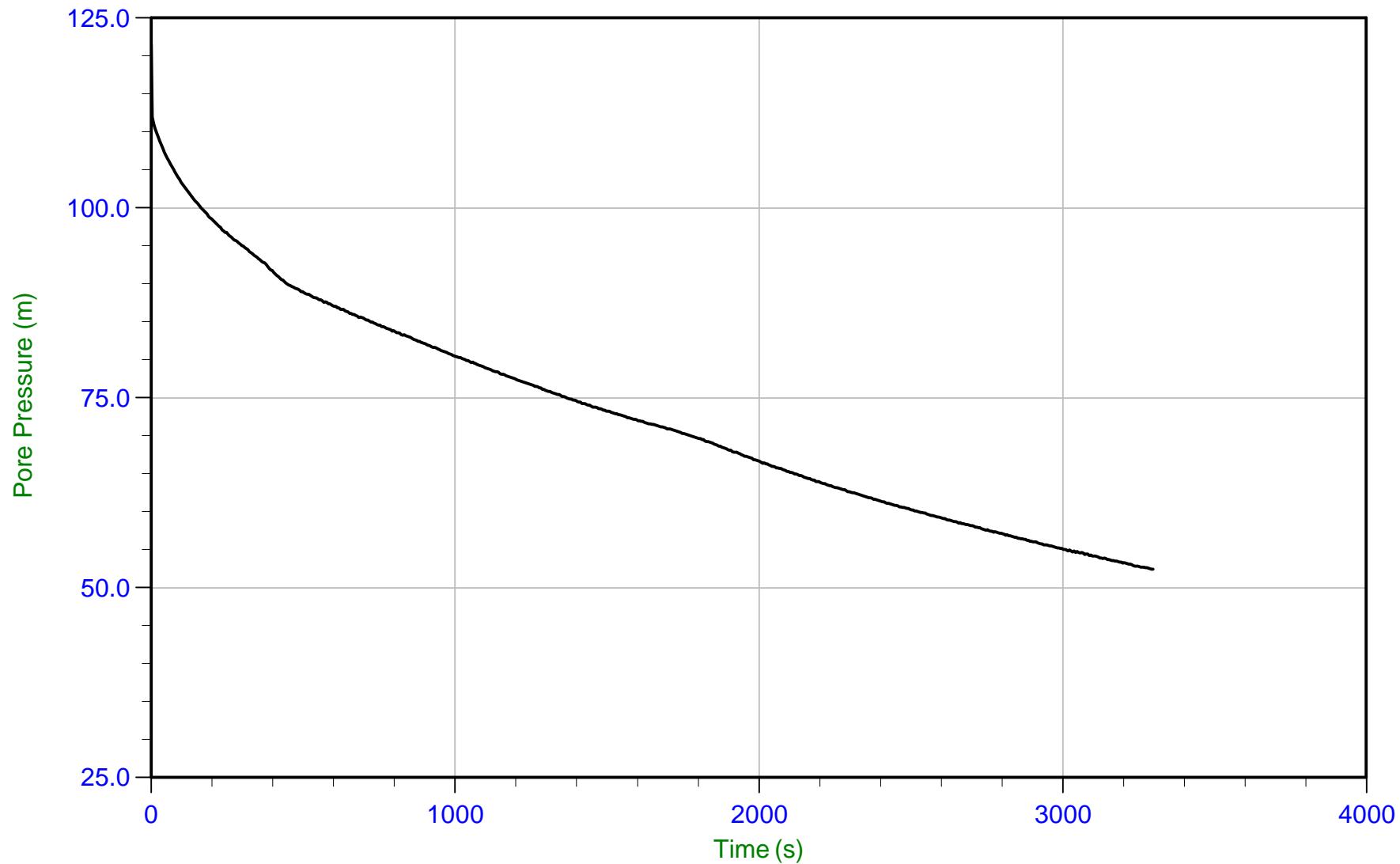
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS02.PPF

Depth: 12.475 m / 40.928 ft

Duration: 3300.0 s

U Min: 52.4 m

U Max: 121.5 m

CONETEC

Mount Polley

Job No: 14-02091

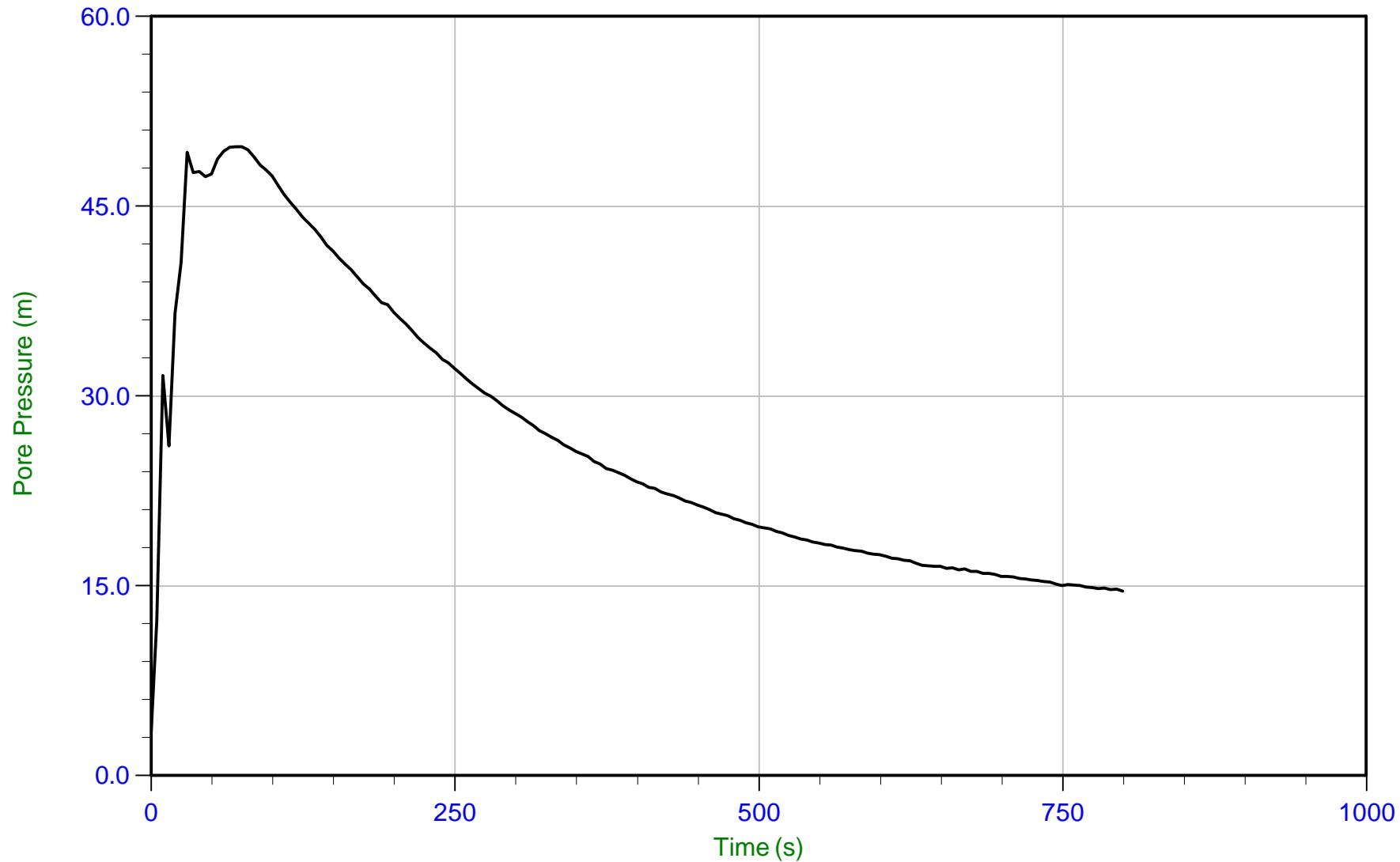
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS02.PPF

Depth: 13.075 m / 42.896 ft

Duration: 800.0 s

U Min: 3.5 m

U Max: 49.7 m

CONETEC

Mount Polley

Job No: 14-02091

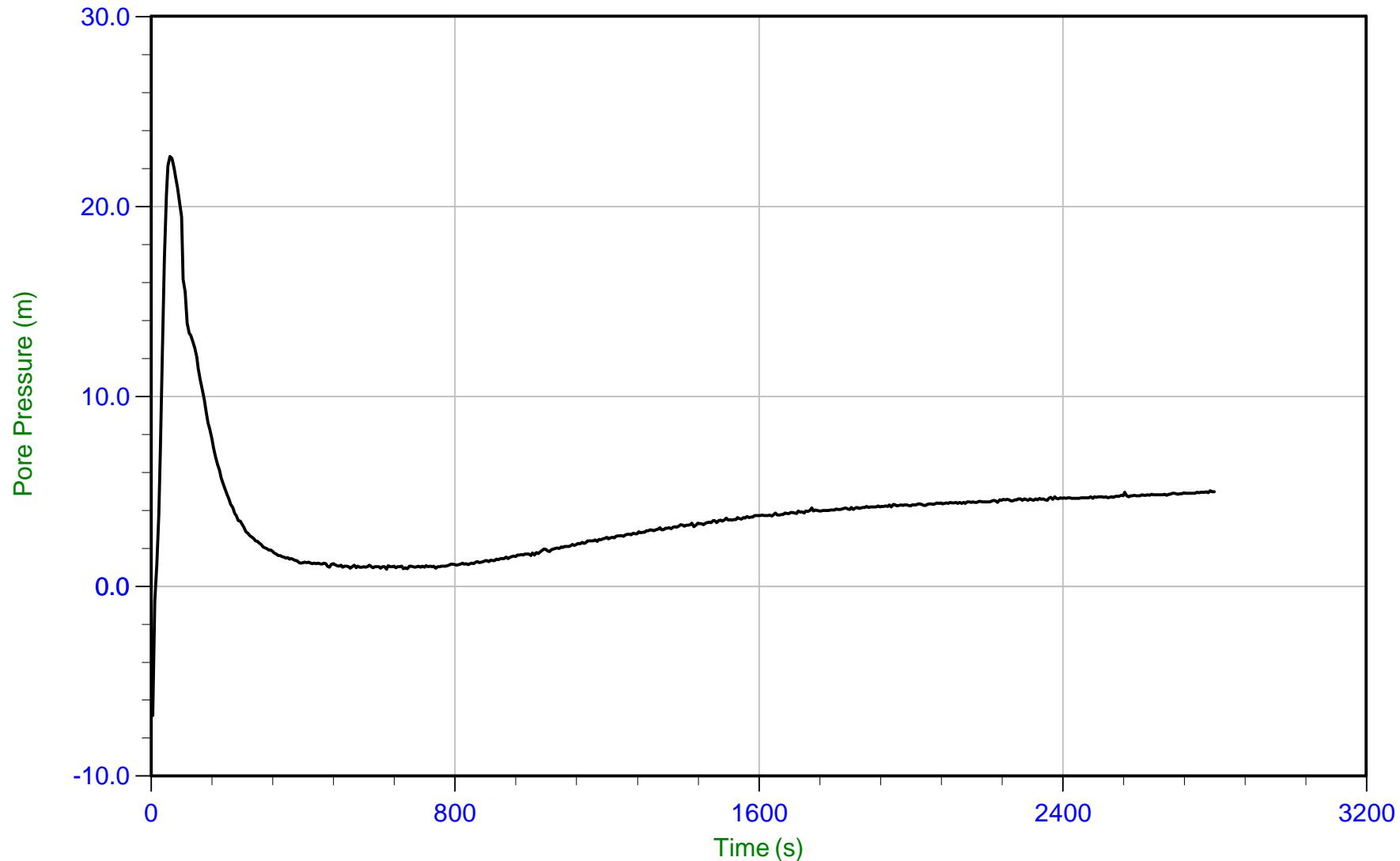
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

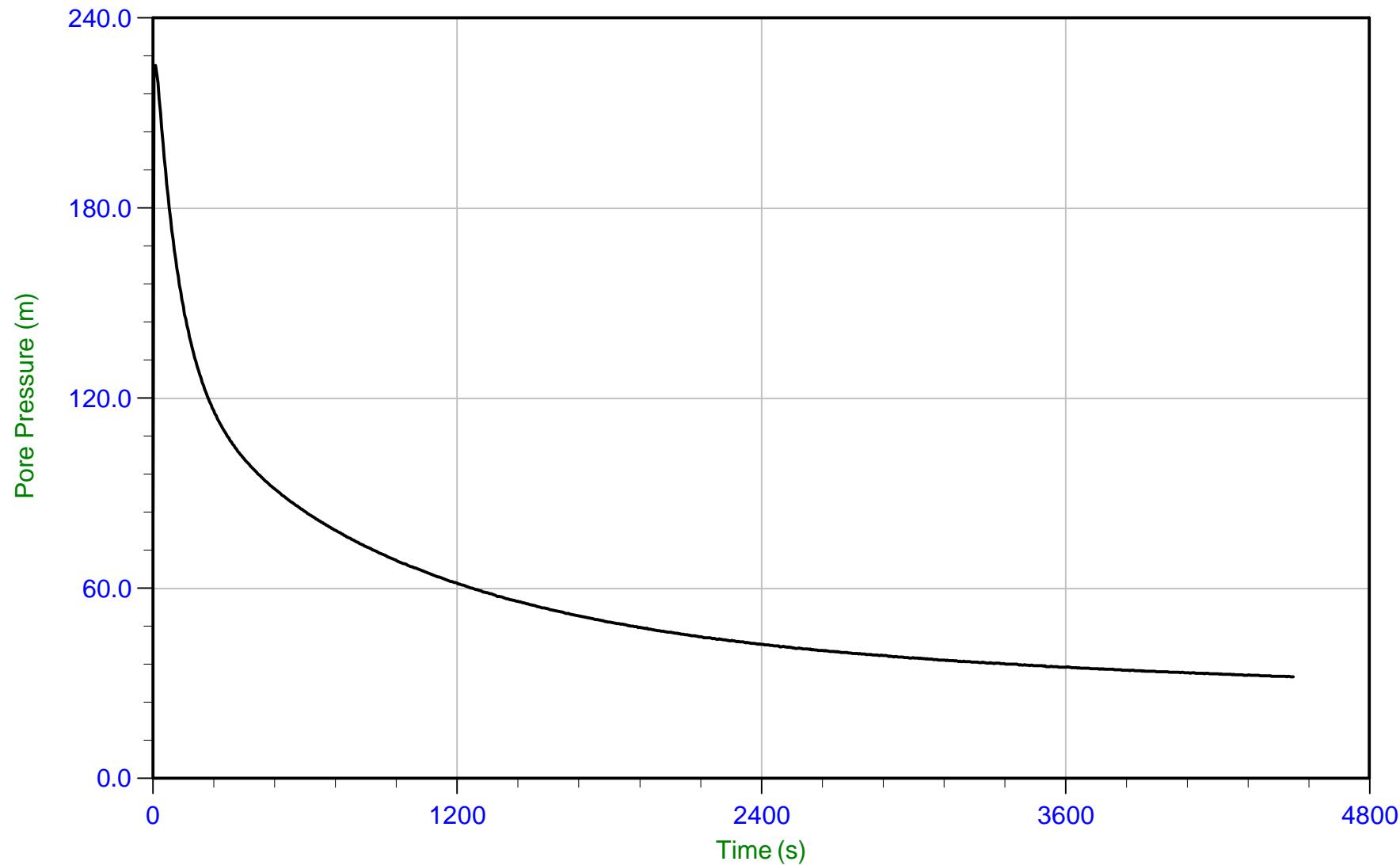
Filename: 14-02091_RS02.PPF

Depth: 13.725 m / 45.029 ft

Duration: 2800.0 s

U Min: -6.8 m

U Max: 22.6 m



Trace Summary: Filename: 14-02091_RS02.PPF
Depth: 15.550 m / 51.016 ft U Min: 32.1 m
Duration: 4500.0 s U Max: 225.0 m

CONETEC

Mount Polley

Job No: 14-02091

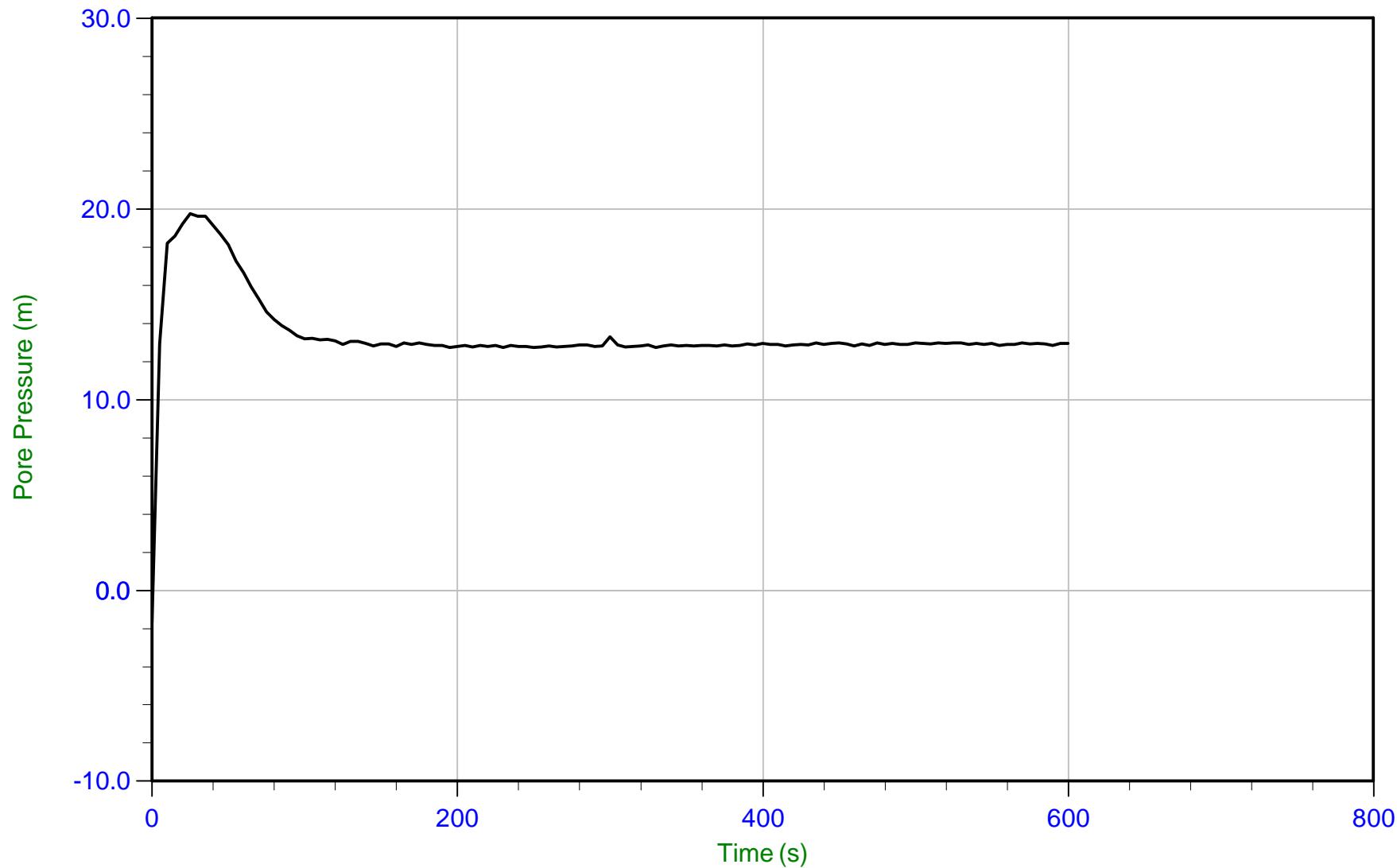
Date: 10/10/2014 10:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-02

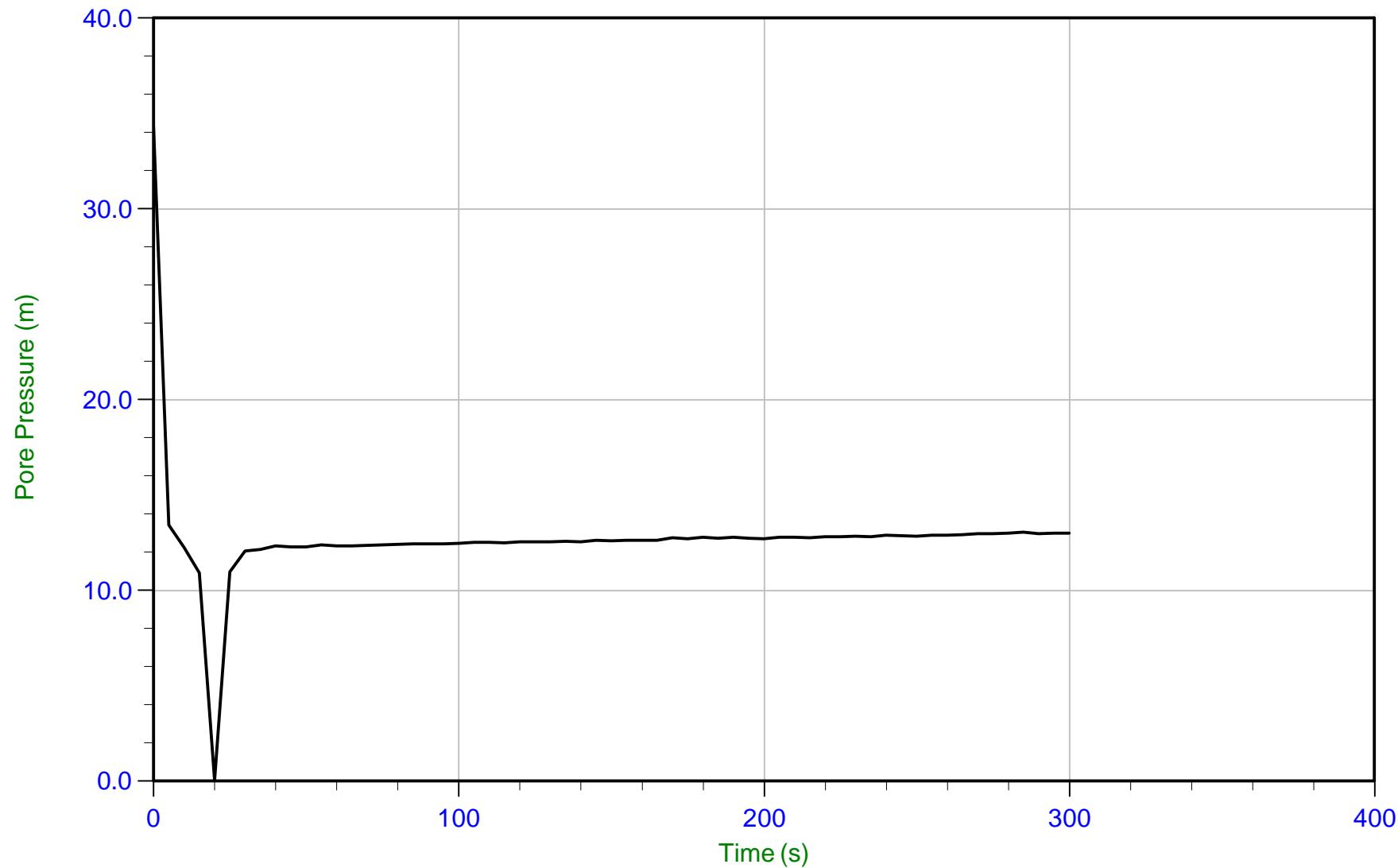
Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS02.PPF
Depth: 16.050 m / 52.657 ft
Duration: 600.0 s

U Min: -1.7 m
U Max: 19.7 m



Trace Summary:

Filename: 14-02091_RS02.PPF

Depth: 16.600 m / 54.461 ft

Duration: 300.0 s

U Min: 0.0 m

U Max: 34.3 m

CONETEC

Mount Polley

Job No: 14-02091

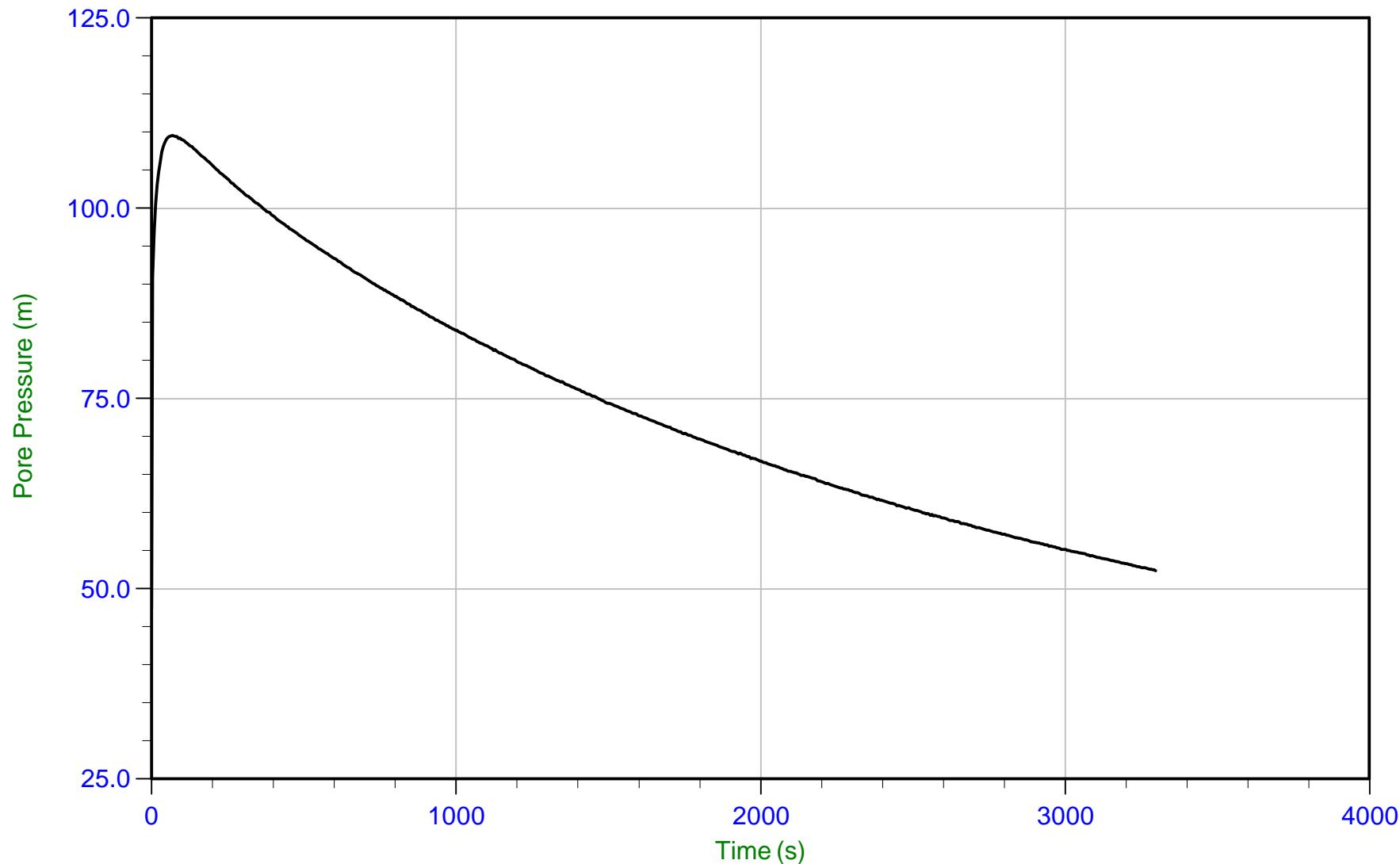
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 6.500 m / 21.325 ft

Duration: 3300.0 s

U Min: 47.4 m

U Max: 109.5 m

CONETEC

Mount Polley

Job No: 14-02091

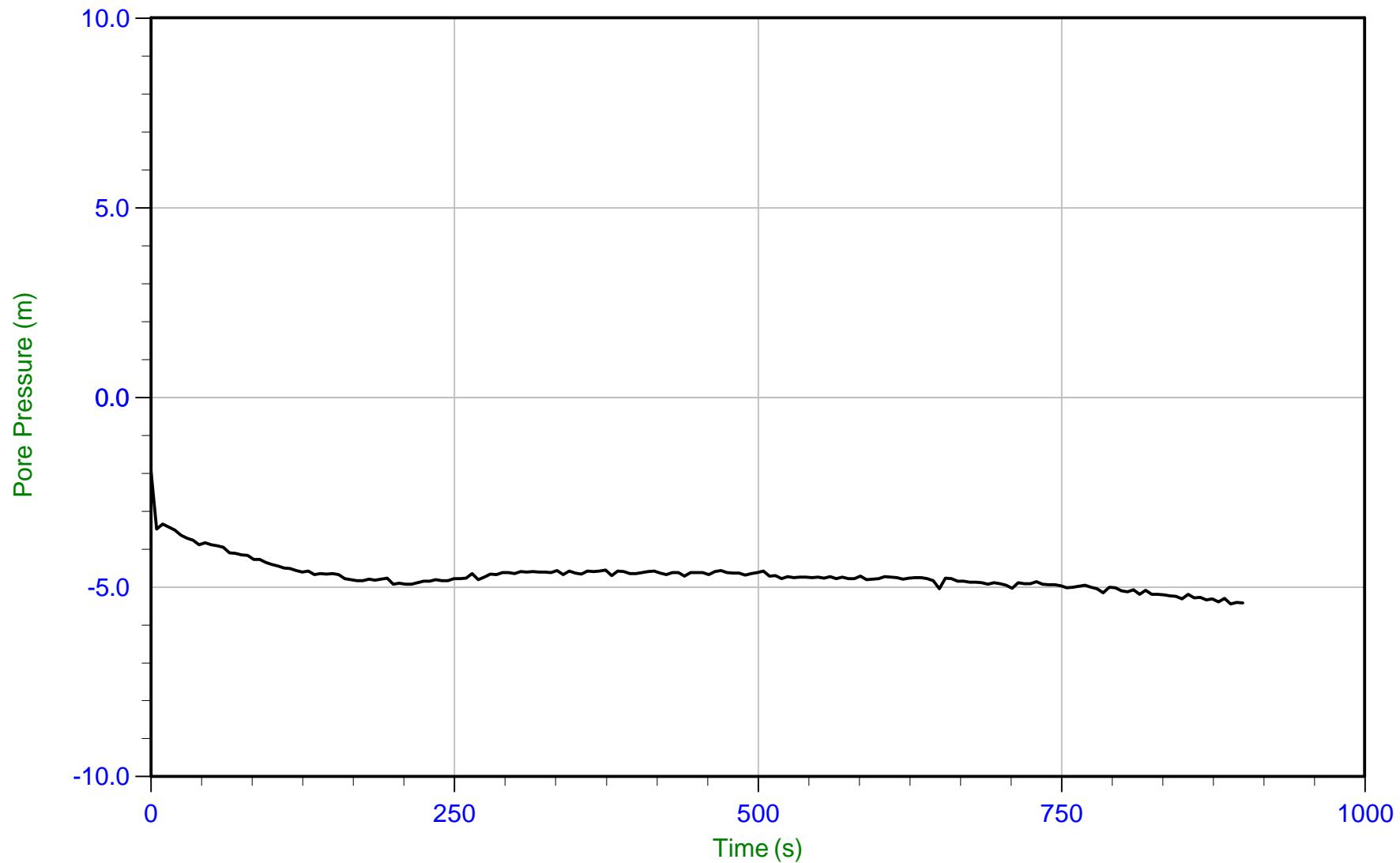
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 7.425 m / 24.360 ft

Duration: 900.0 s

U Min: -5.4 m

U Max: -2.0 m

CONETEC

Mount Polley

Job No: 14-02091

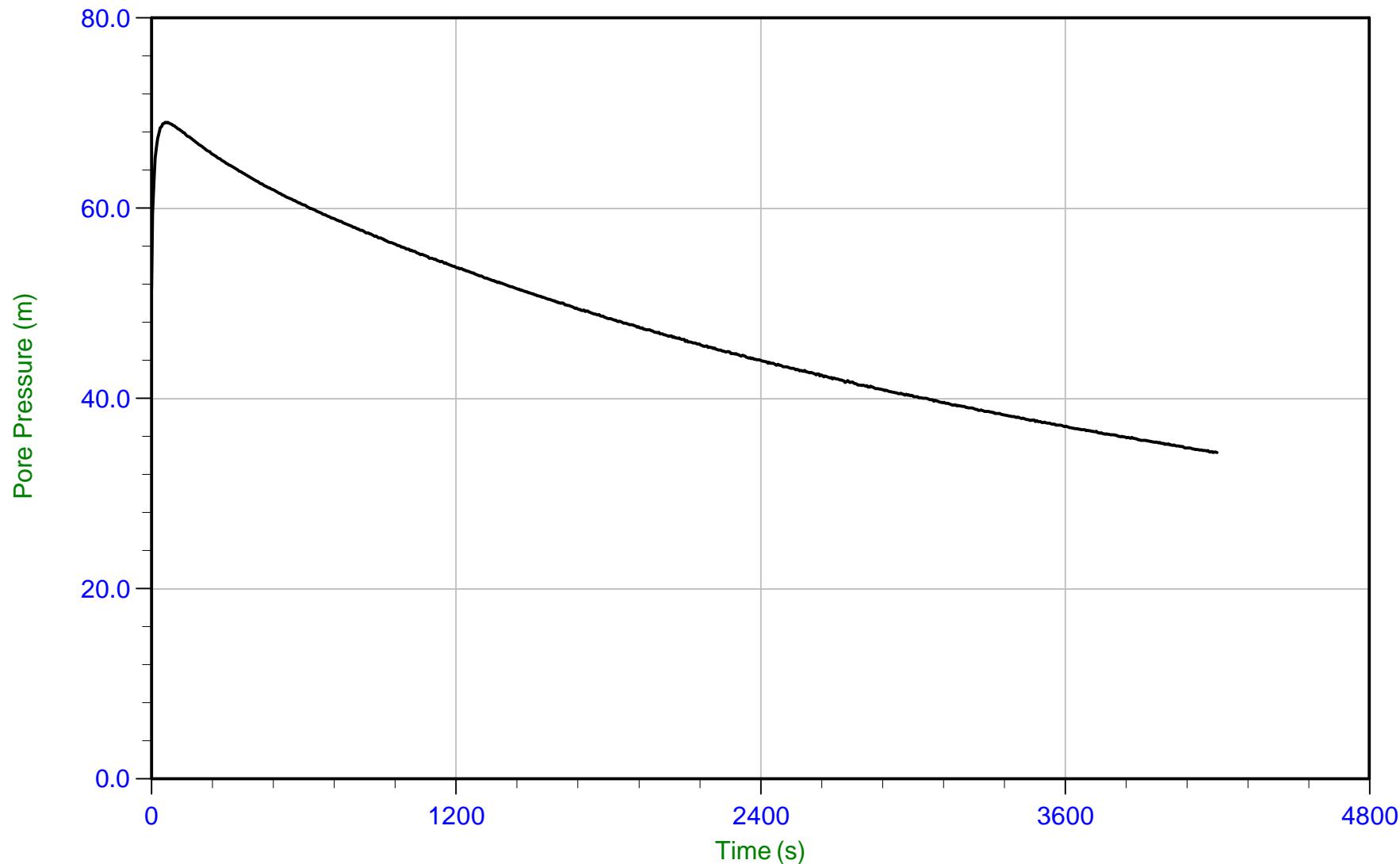
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

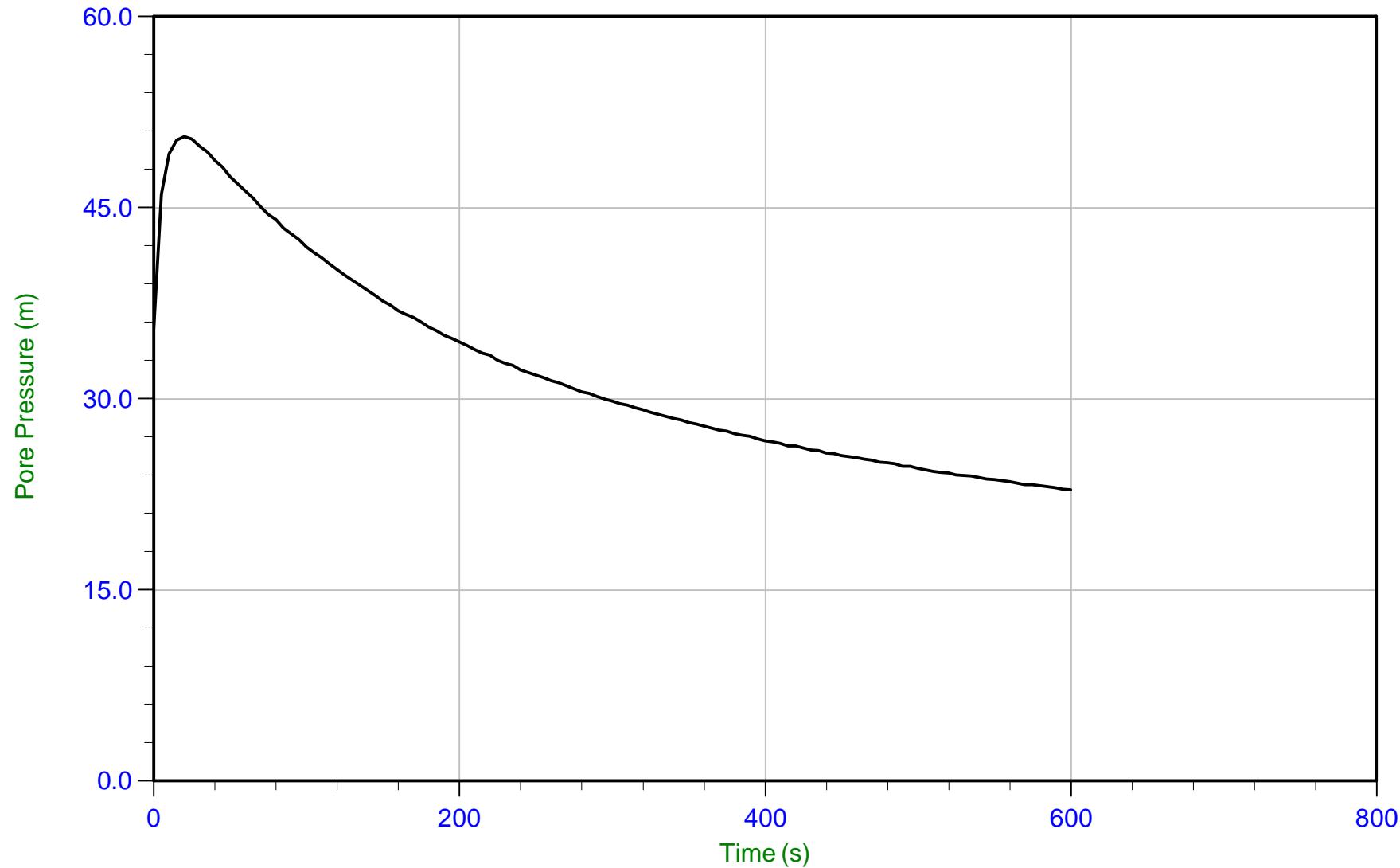
Filename: 14-02091_RS03.PPF

Depth: 8.475 m / 27.805 ft

Duration: 4200.0 s

U Min: 34.3 m

U Max: 69.0 m



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 10.525 m / 34.530 ft

Duration: 600.0 s

U Min: 22.9 m

U Max: 50.6 m

CONETEC

Mount Polley

Job No: 14-02091

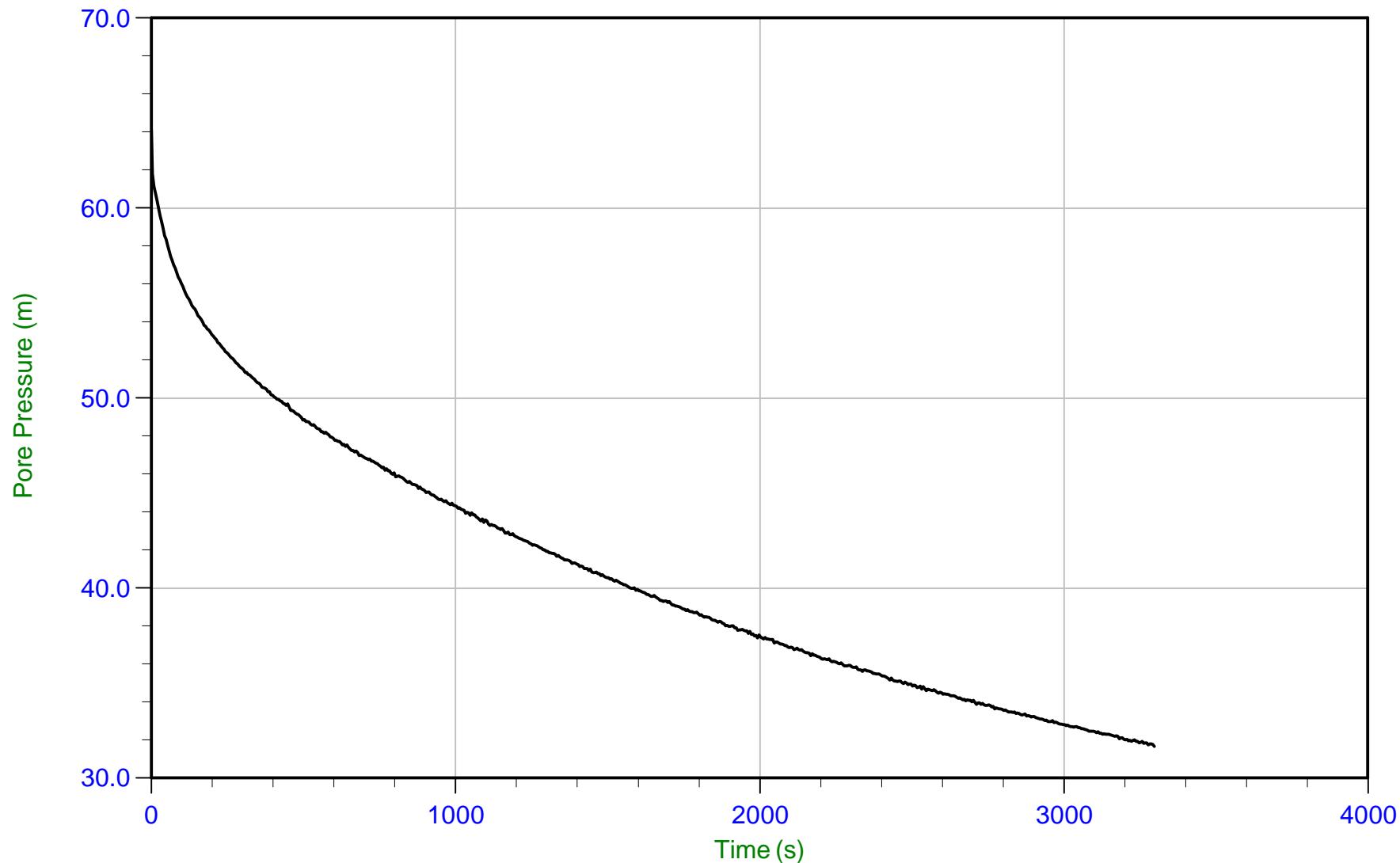
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

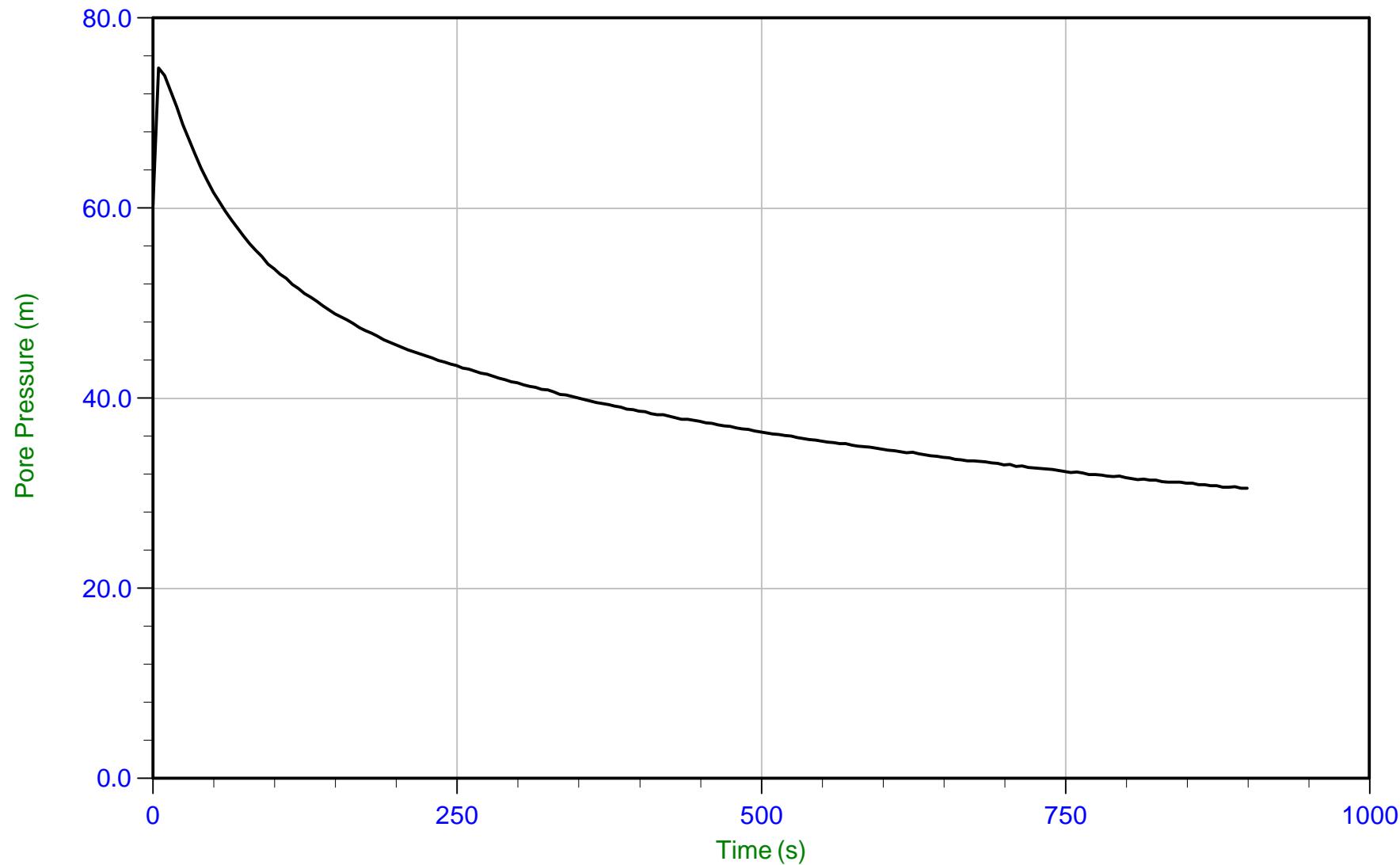
Cone Area: 15 sq cm



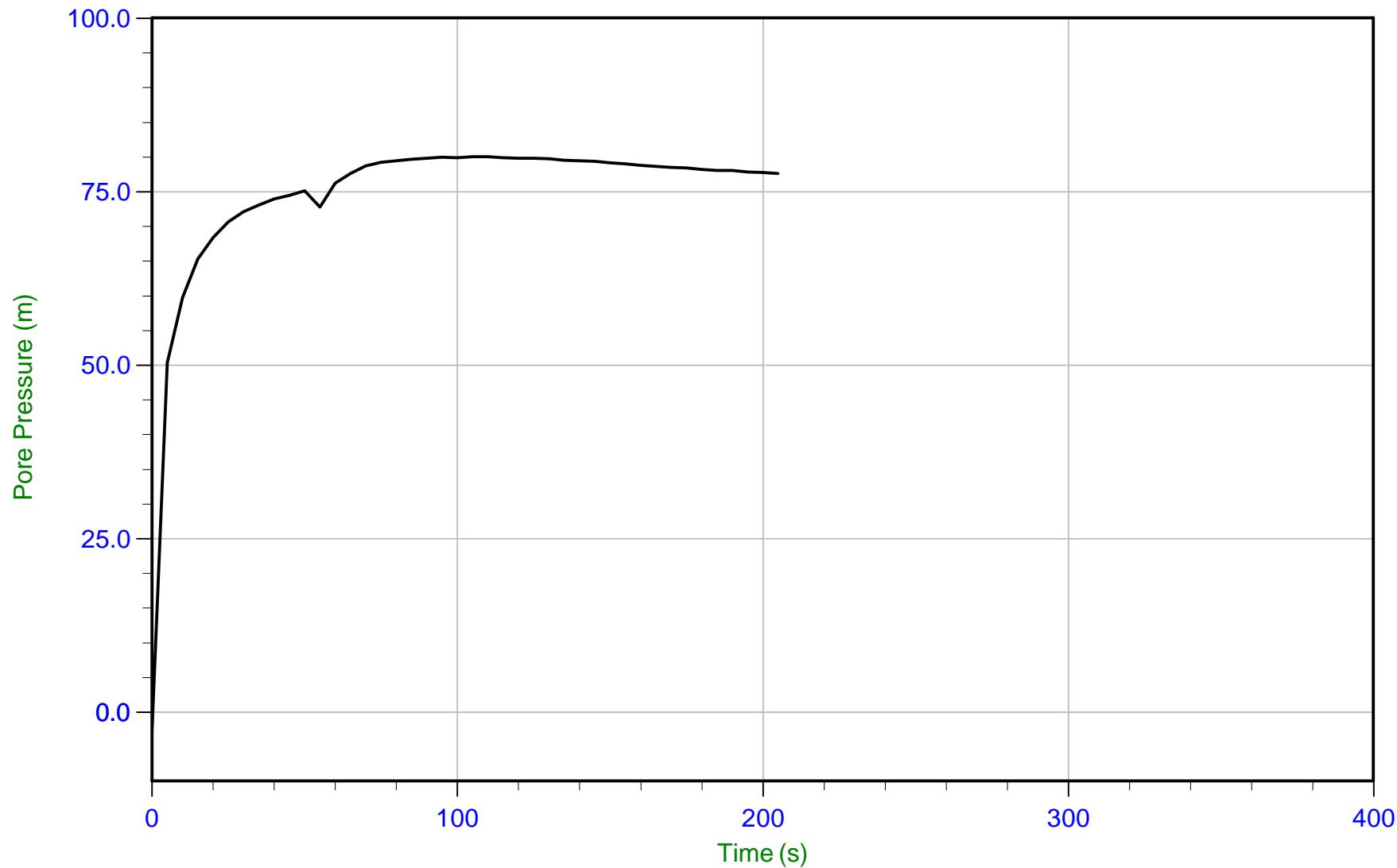
Trace Summary:

Filename: 14-02091_RS03.PPF
Depth: 12.000 m / 39.370 ft
Duration: 3300.0 s

U Min: 31.7 m
U Max: 64.1 m



Trace Summary: Filename: 14-02091_RS03.PPF
Depth: 12.700 m / 41.666 ft U Min: 30.5 m
Duration: 900.0 s U Max: 74.7 m



Trace Summary: Filename: 14-02091_RS03.PPF U Min: -2.7 m
Depth: 13.300 m / 43.635 ft U Max: 80.0 m
Duration: 205.0 s

CONETEC

Mount Polley

Job No: 14-02091

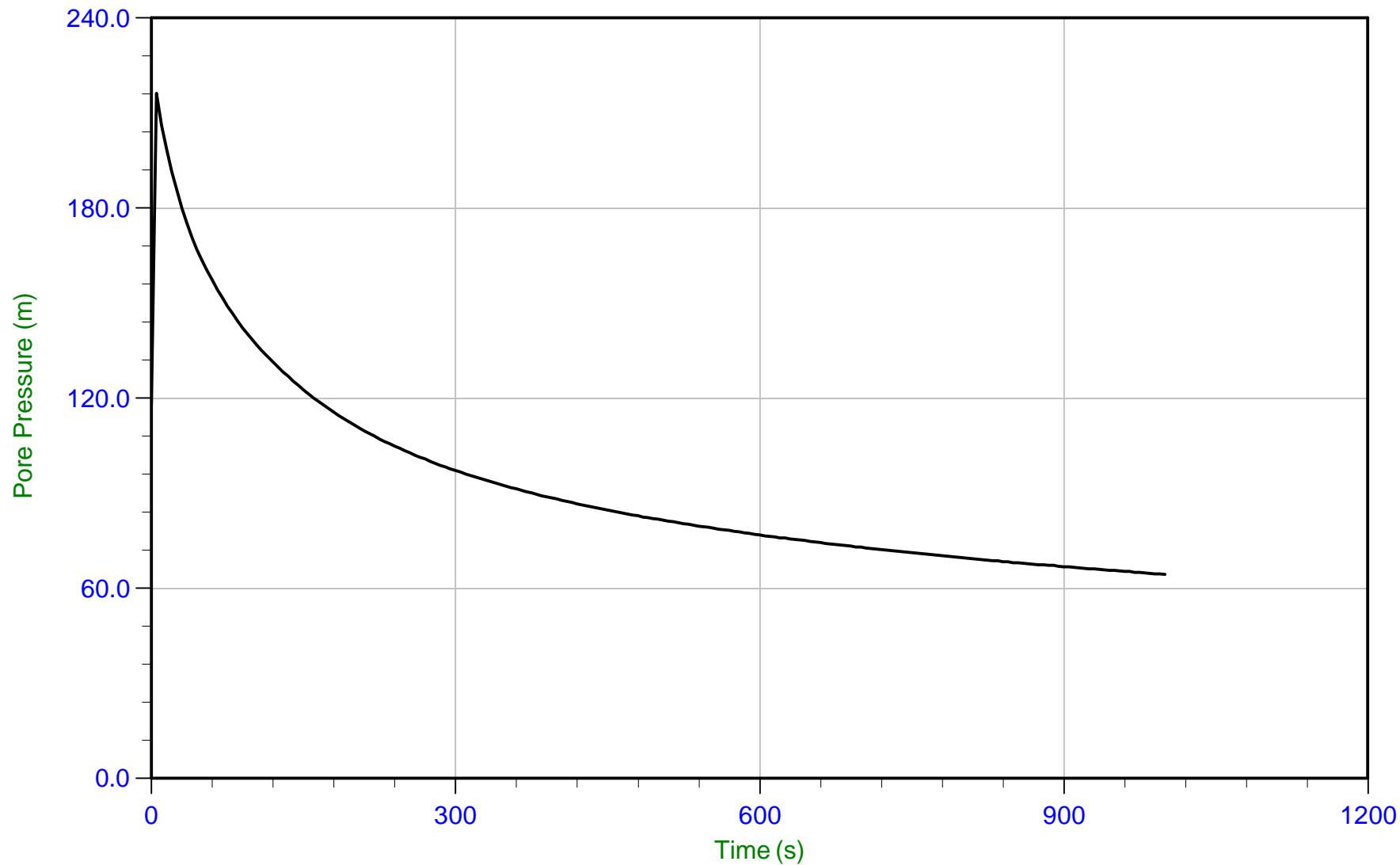
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 15.850 m / 52.001 ft

Duration: 1000.0 s

U Min: 64.4 m

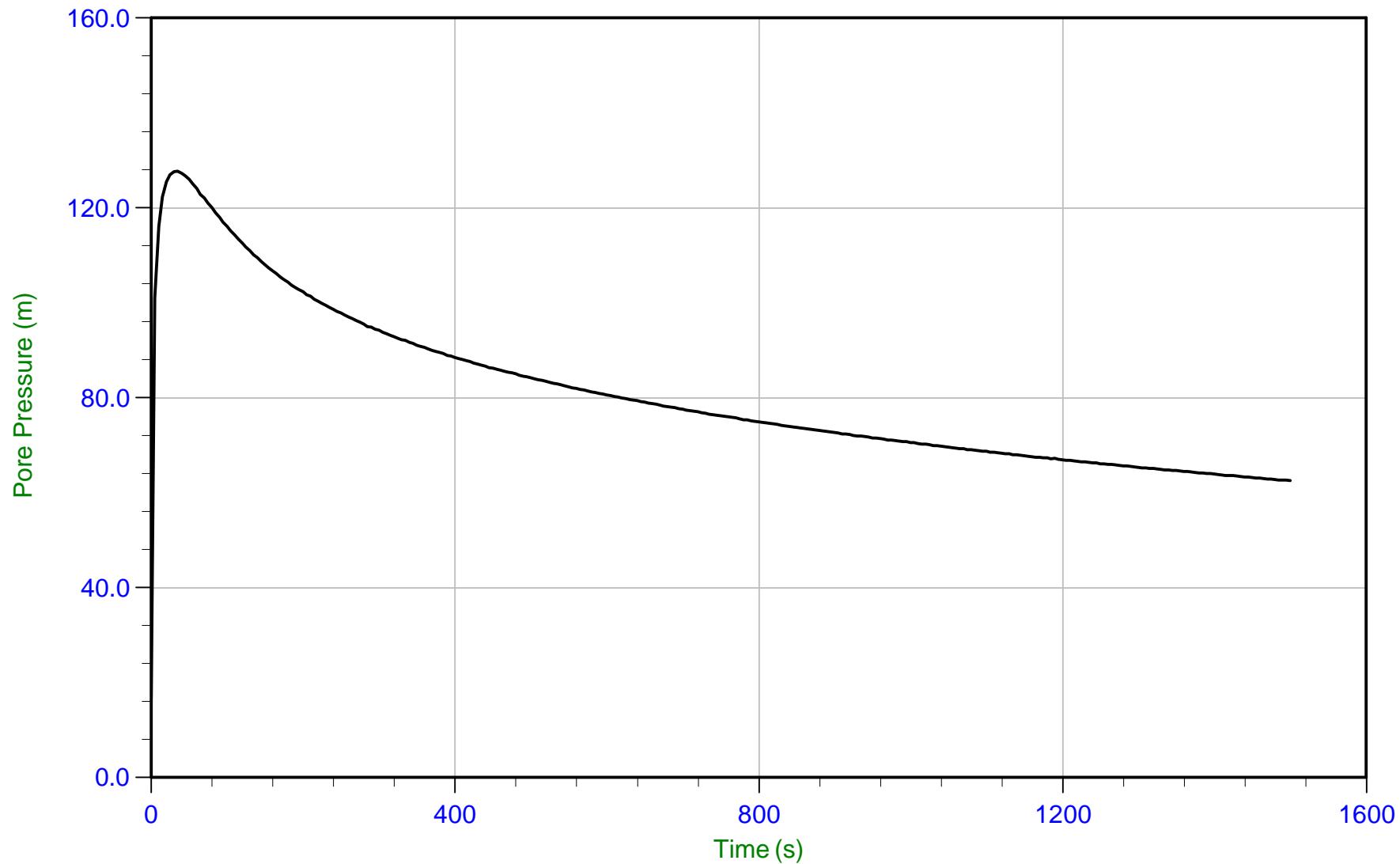
U Max: 216.2 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/02/2014 11:31
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS03.PPF
Depth: 16.500 m / 54.133 ft U Min: 16.8 m
Duration: 1500.0 s U Max: 127.8 m

CONETEC

Mount Polley

Job No: 14-02091

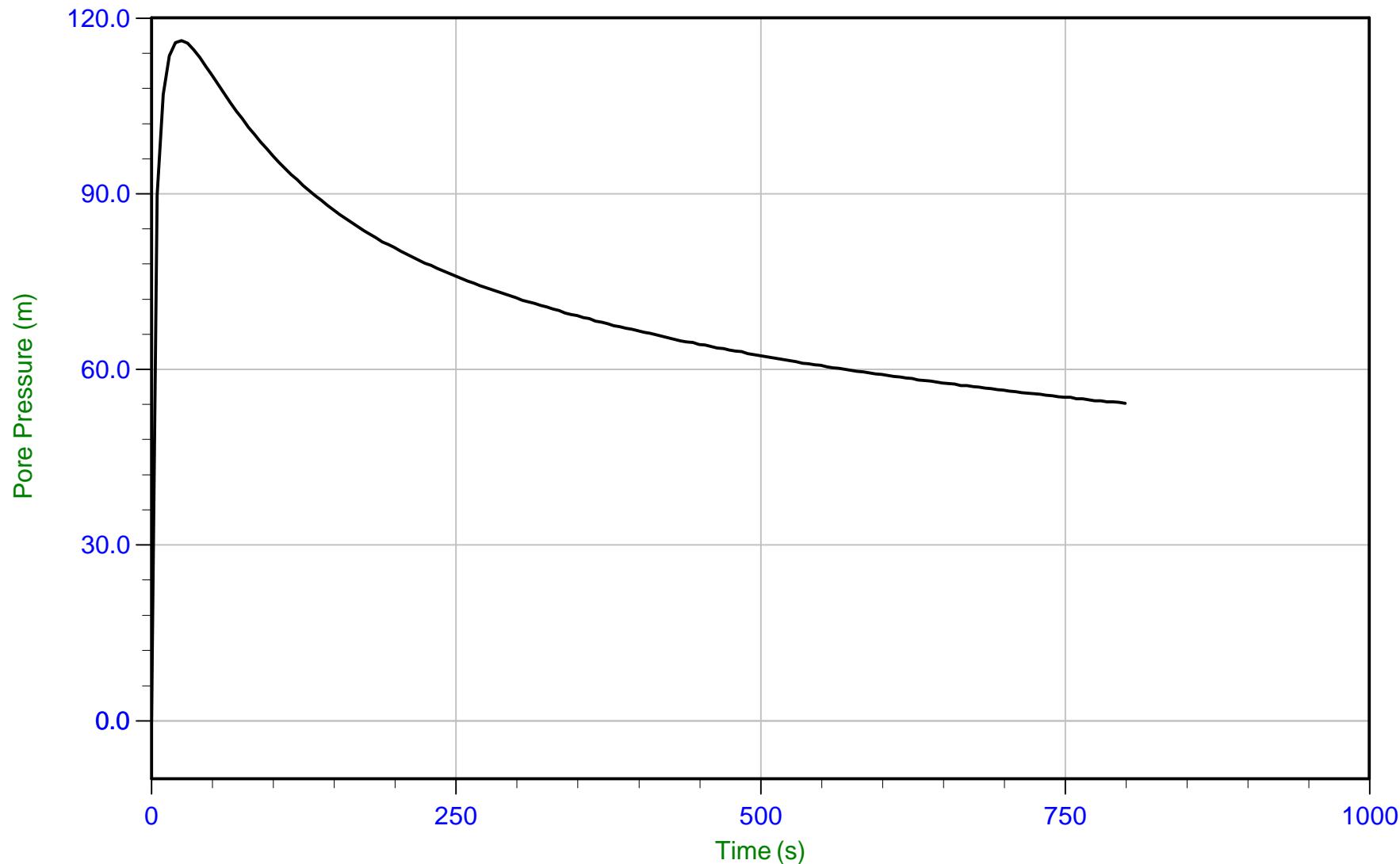
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 17.625 m / 57.824 ft

Duration: 800.0 s

U Min: -0.1 m

U Max: 116.1 m

CONETEC

Mount Polley

Job No: 14-02091

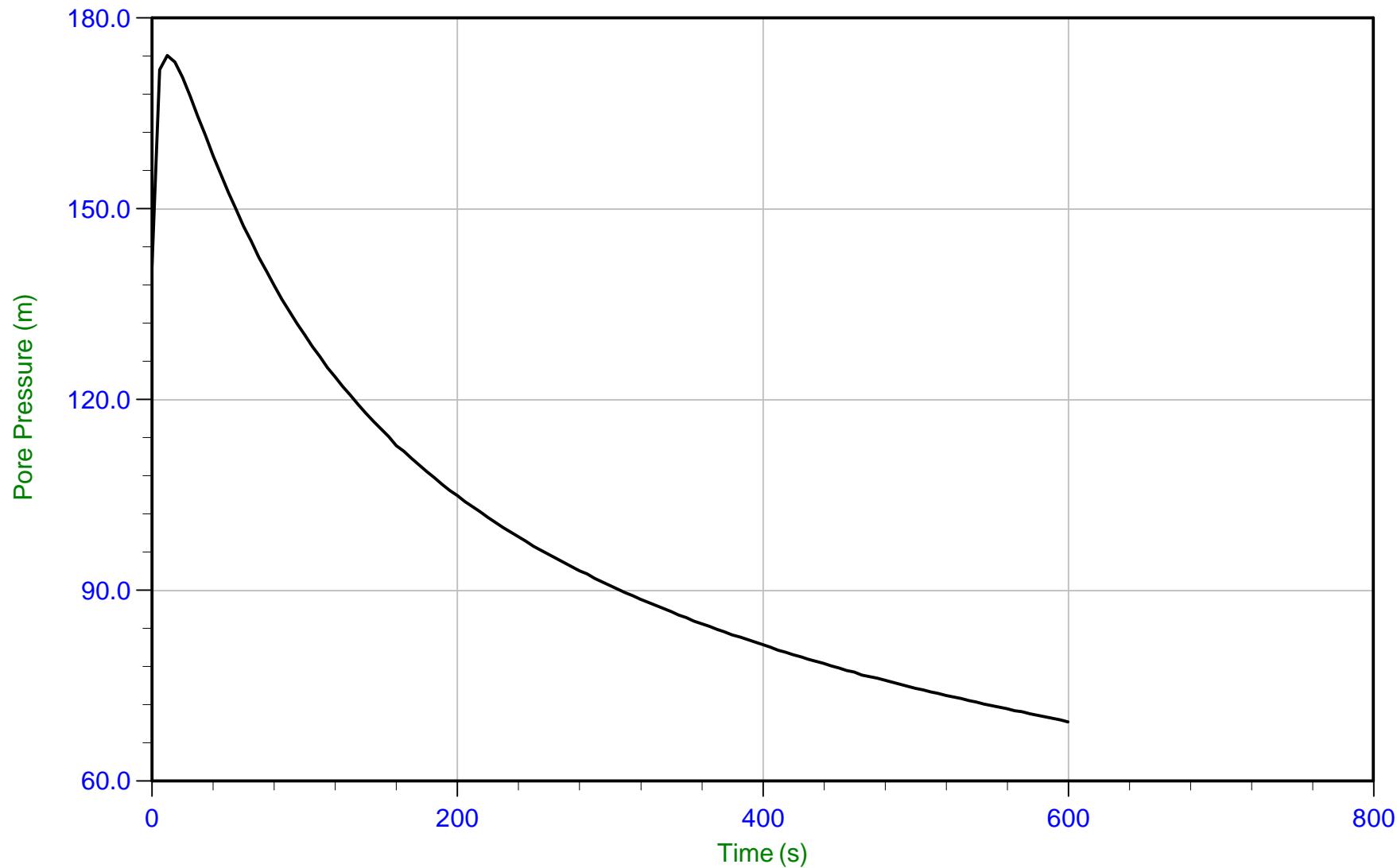
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 18.000 m / 59.054 ft

Duration: 600.0 s

U Min: 69.3 m

U Max: 174.1 m

CONETEC

Mount Polley

Job No: 14-02091

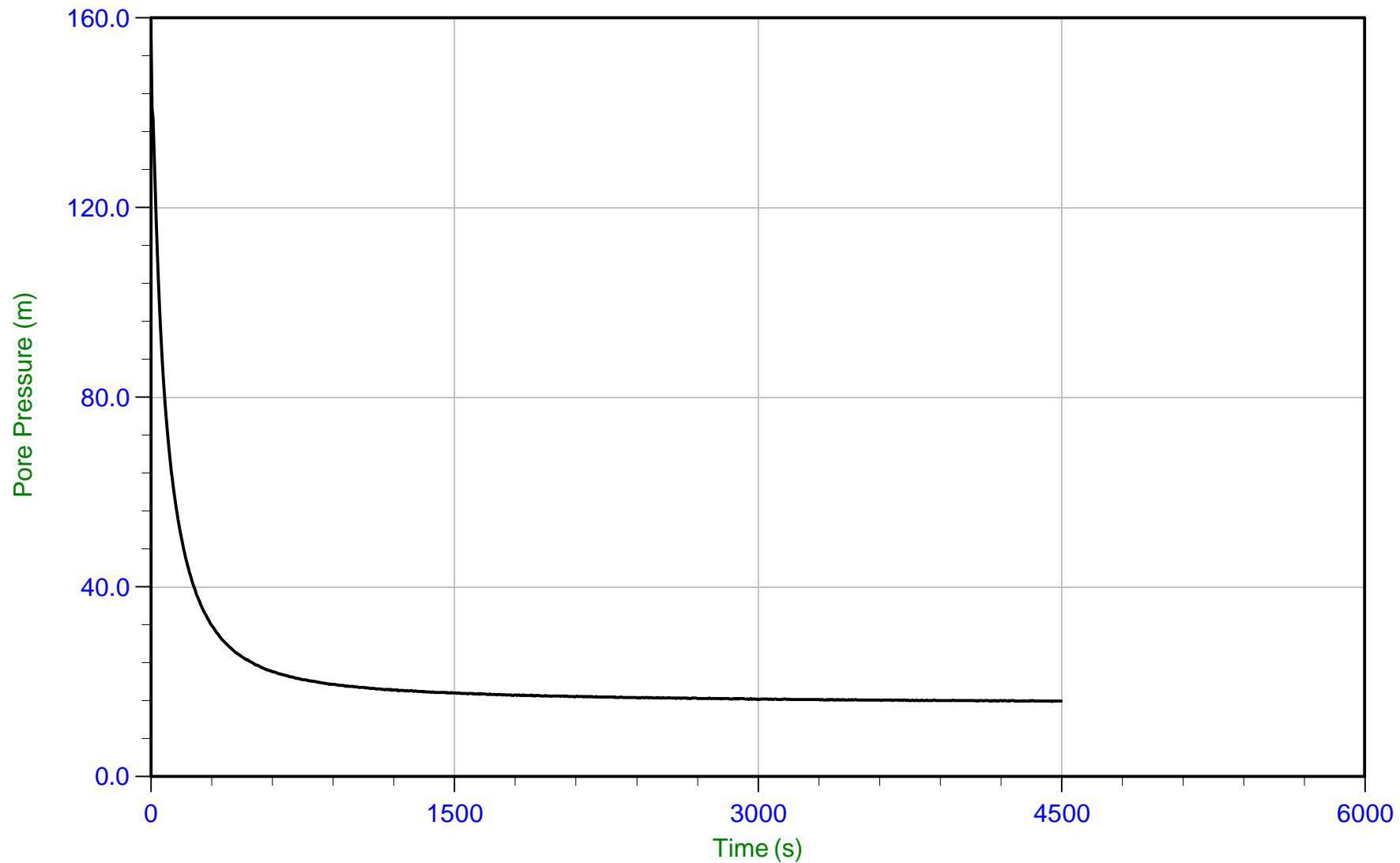
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 18.525 m / 60.777 ft

Duration: 4500.0 s

U Min: 15.9 m

U Max: 155.7 m

CONETEC

Mount Polley

Job No: 14-02091

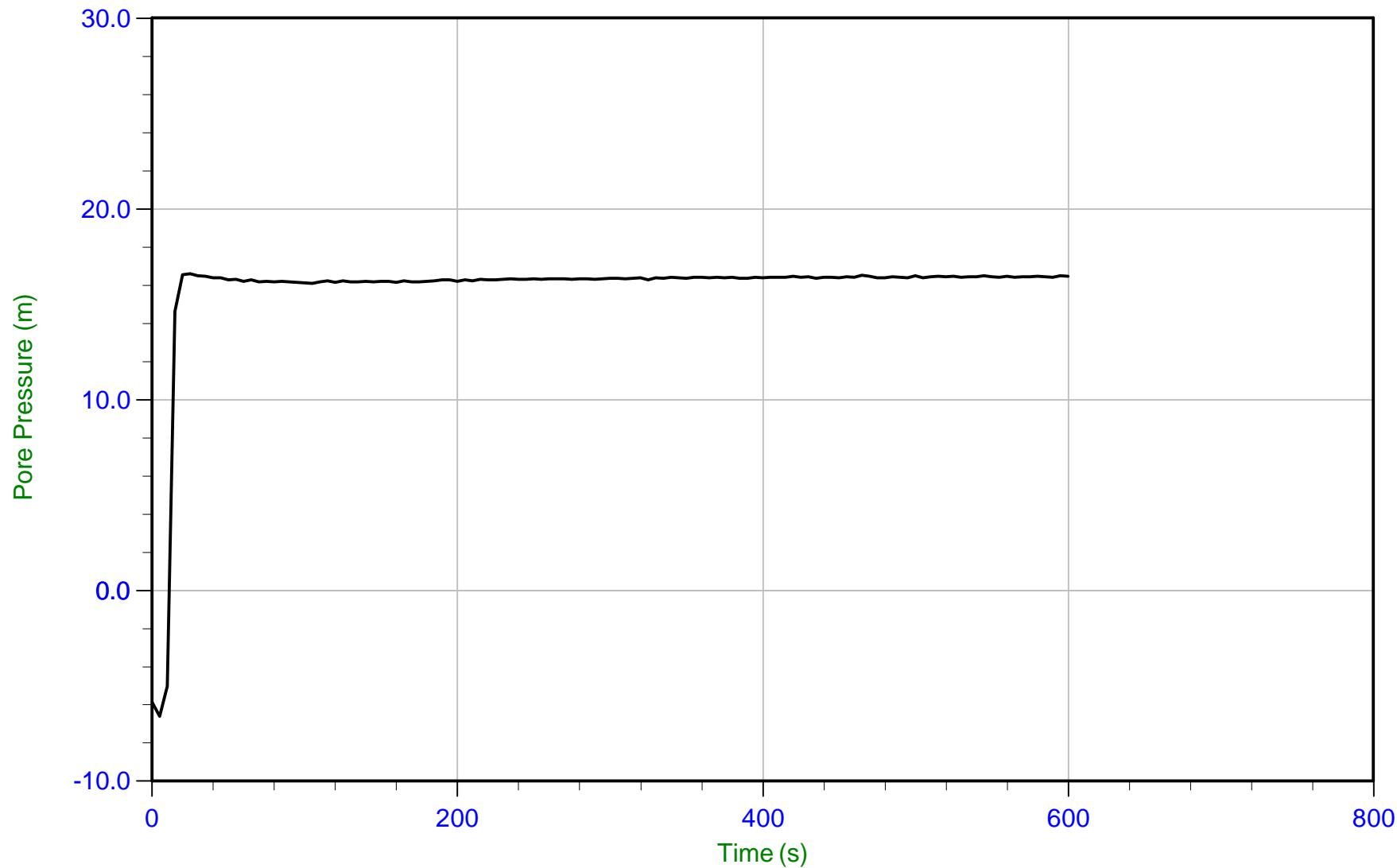
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 19.500 m / 63.976 ft

Duration: 600.0 s

U Min: -6.6 m

U Max: 16.6 m

CONETEC

Mount Polley

Job No: 14-02091

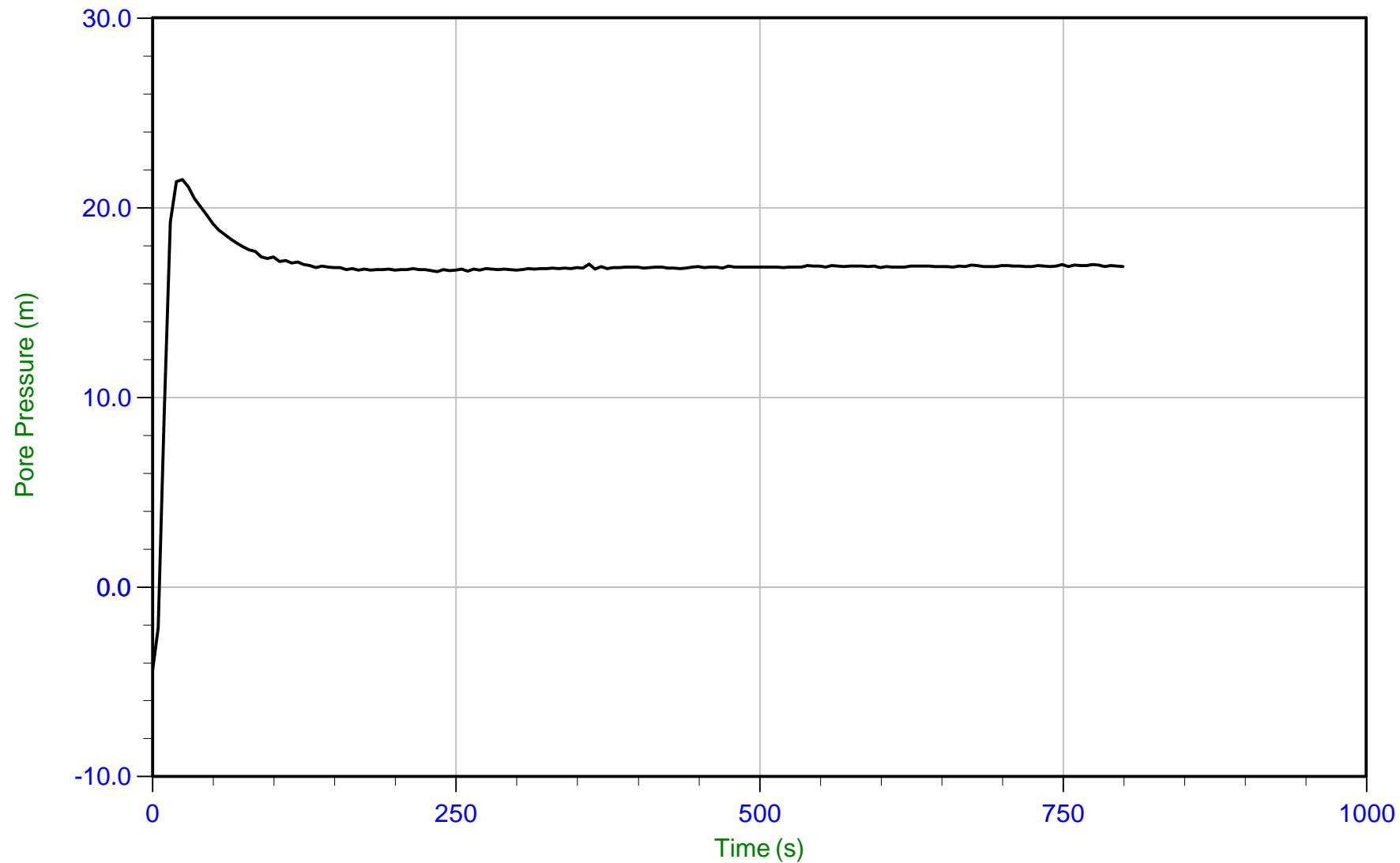
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 20.000 m / 65.616 ft

Duration: 800.0 s

U Min: -4.4 m

U Max: 21.5 m

CONETEC

Mount Polley

Job No: 14-02091

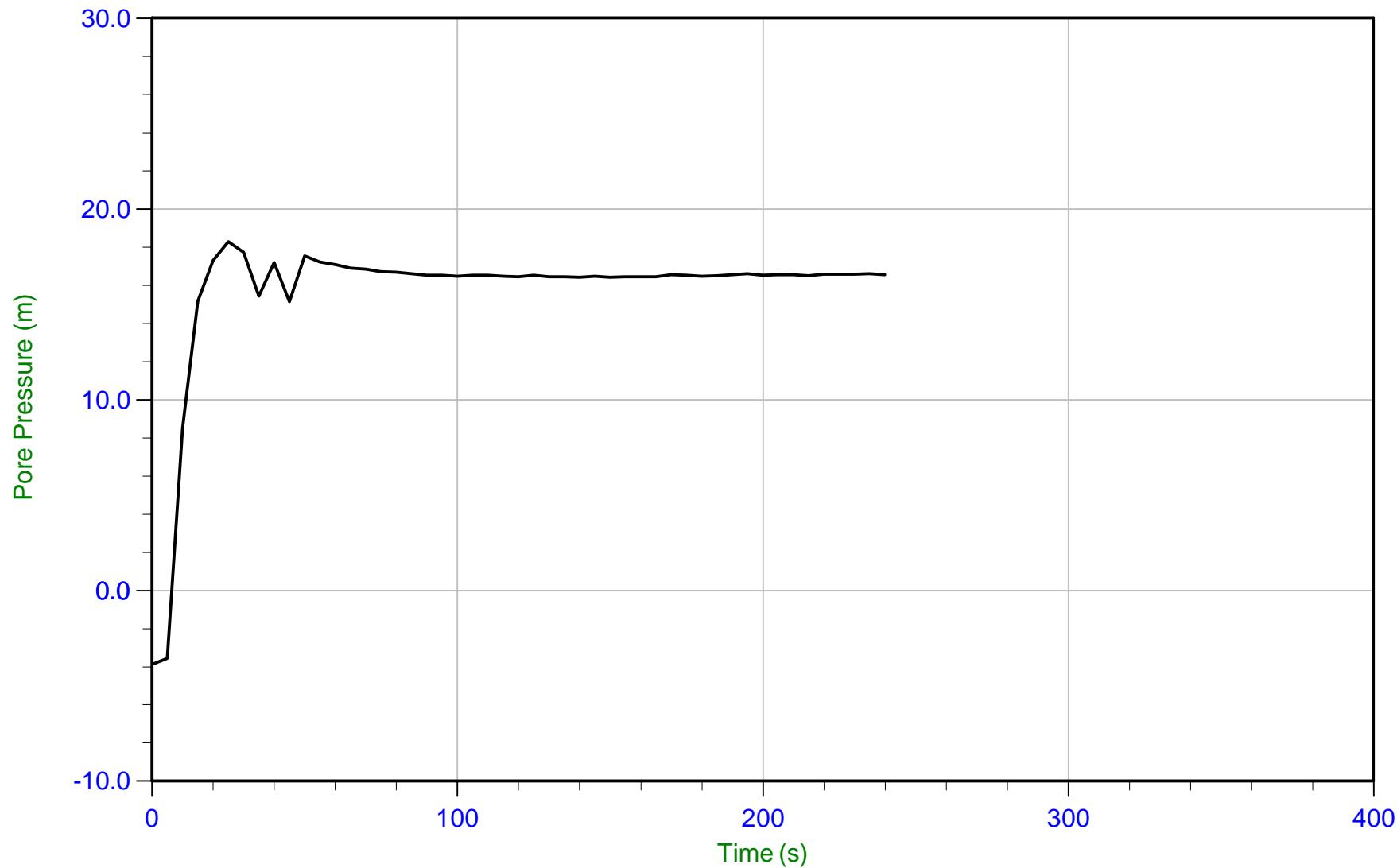
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

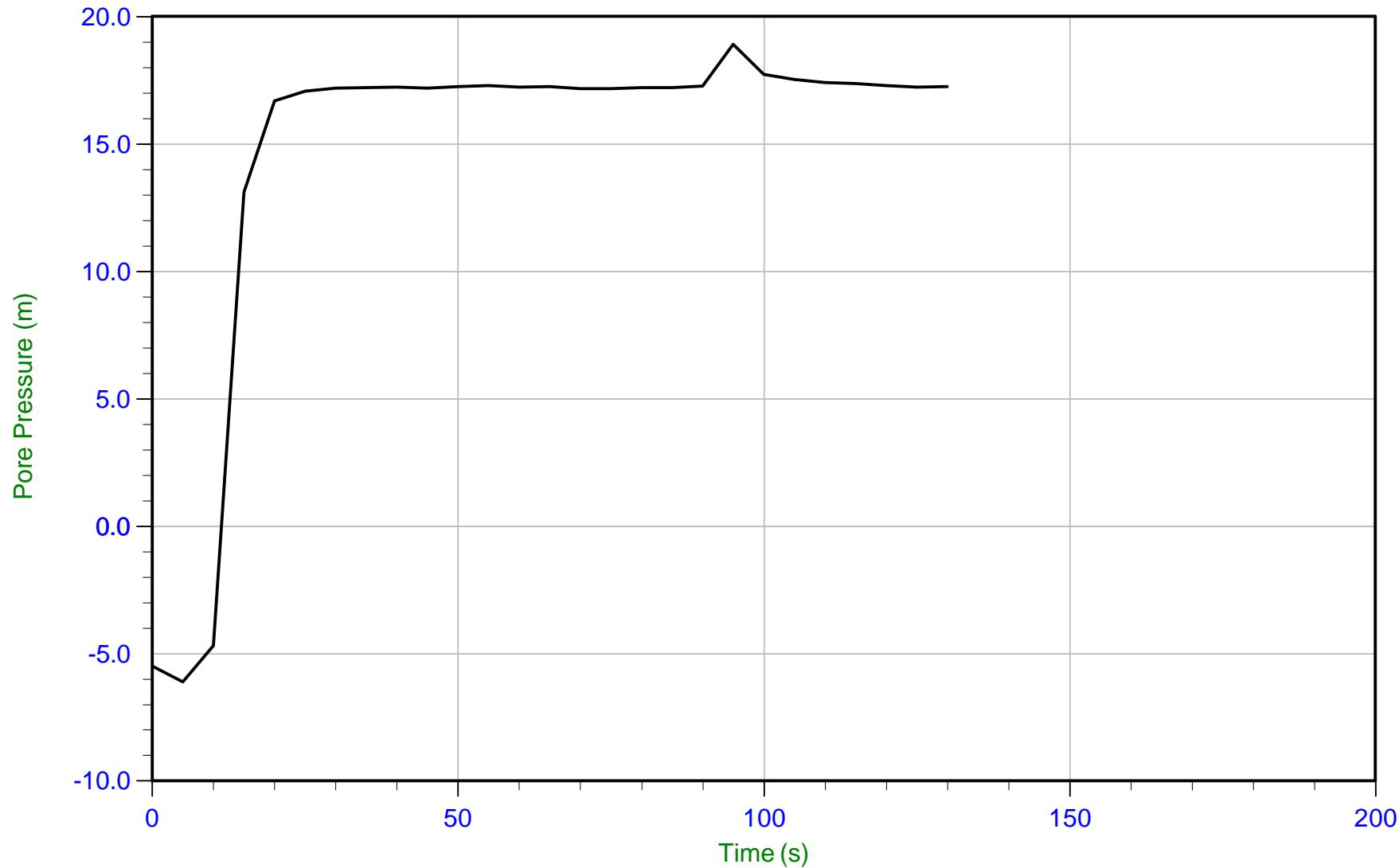
Filename: 14-02091_RS03.PPF

Depth: 20.275 m / 66.518 ft

Duration: 240.0 s

U Min: -3.9 m

U Max: 18.3 m



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 20.400 m / 66.928 ft

Duration: 130.0 s

U Min: -6.1 m

U Max: 18.9 m

CONETEC

Mount Polley

Job No: 14-02091

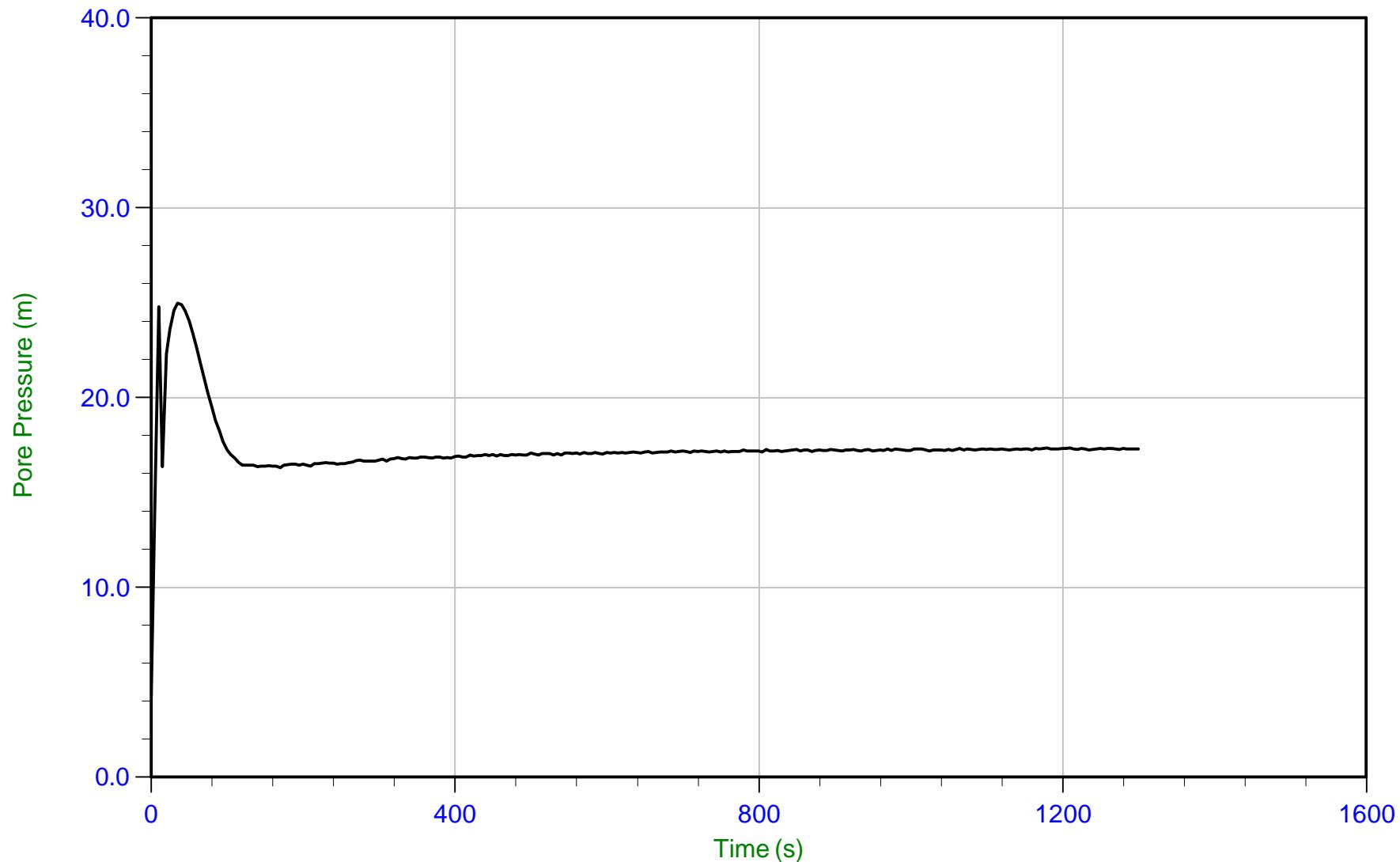
Date: 10/02/2014 11:31

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-03

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS03.PPF

Depth: 20.525 m / 67.338 ft

Duration: 1300.0 s

U Min: 4.3 m

U Max: 25.0 m

CONETEC

Mount Polley

Job No: 14-02091

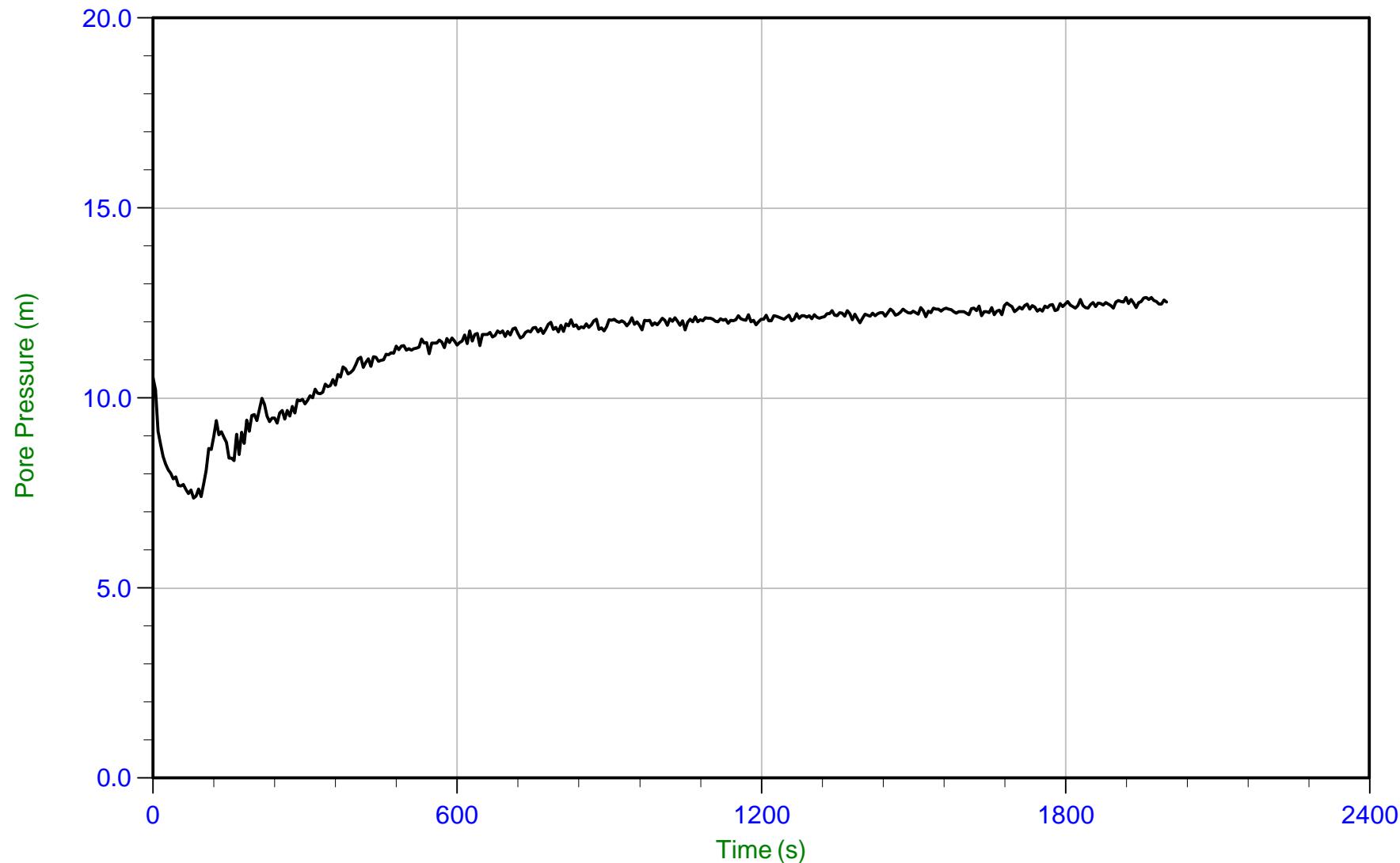
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 6.500 m / 21.325 ft

Duration: 2000.0 s

U Min: 7.4 m

U Max: 12.7 m

CONETEC

Mount Polley

Job No: 14-02091

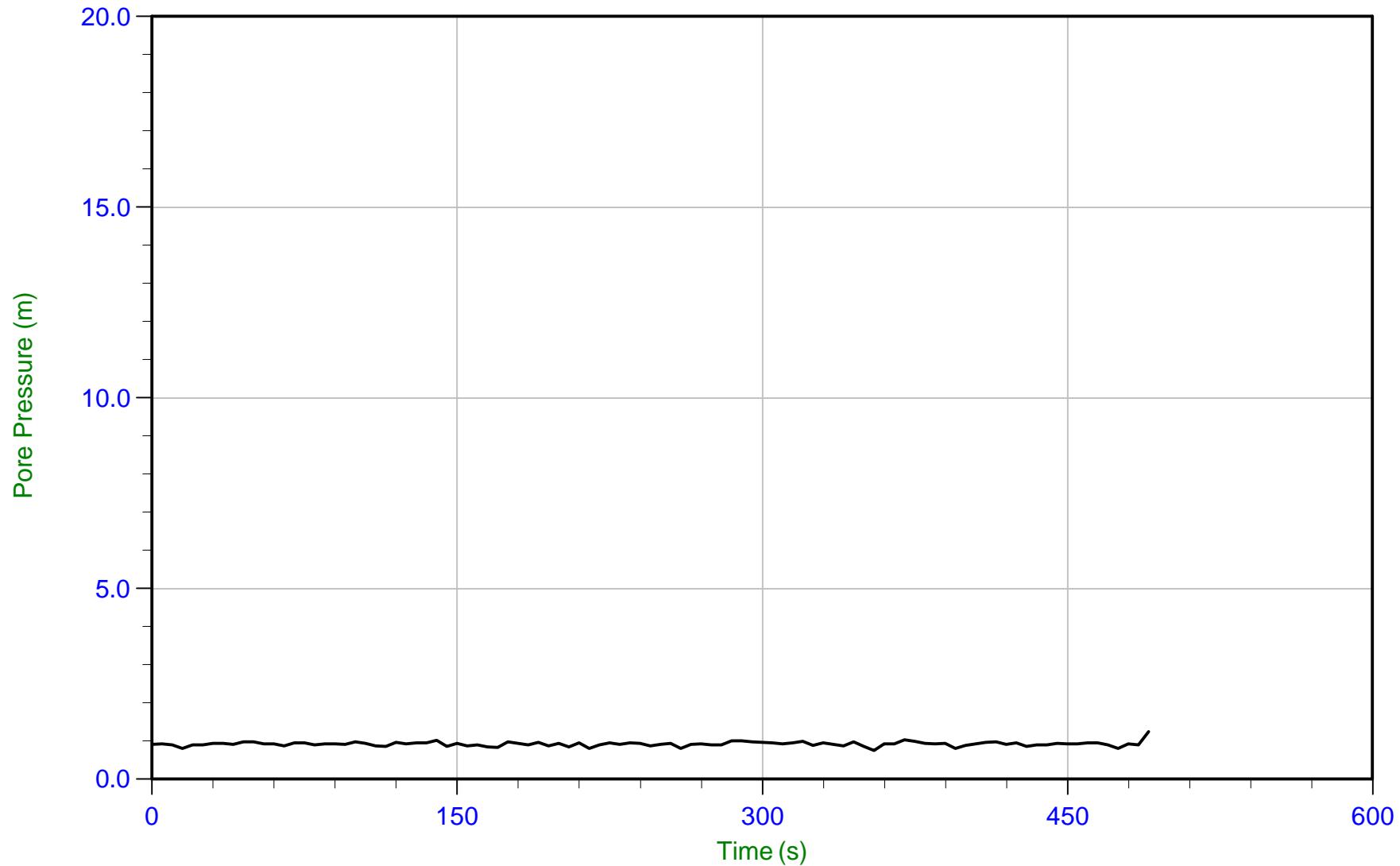
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 7.475 m / 24.524 ft

Duration: 490.0 s

U Min: 0.7 m

U Max: 1.2 m

CONETEC

Mount Polley

Job No: 14-02091

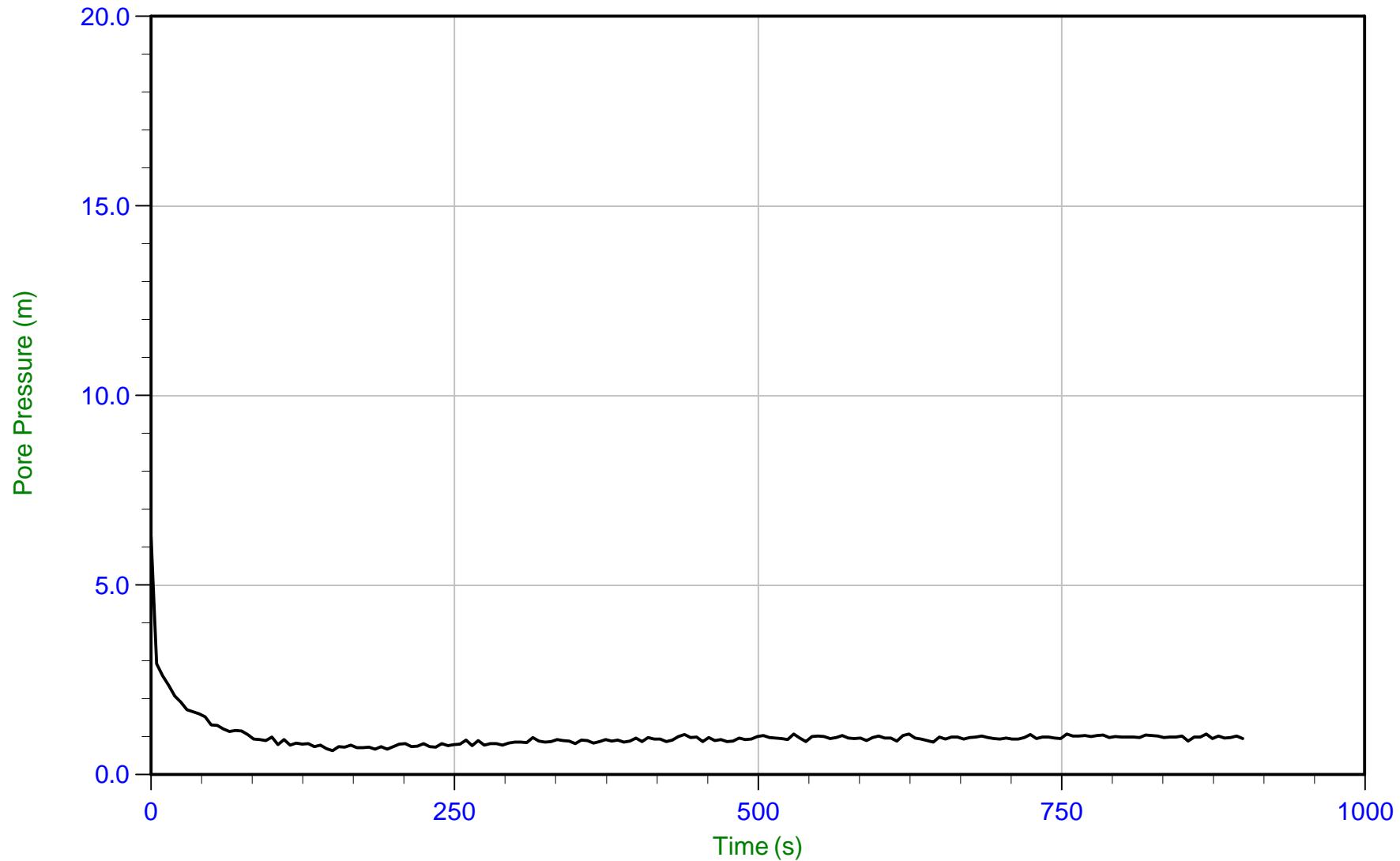
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 8.425 m / 27.641 ft

Duration: 900.0 s

U Min: 0.6 m

U Max: 6.3 m

CONETEC

Mount Polley

Job No: 14-02091

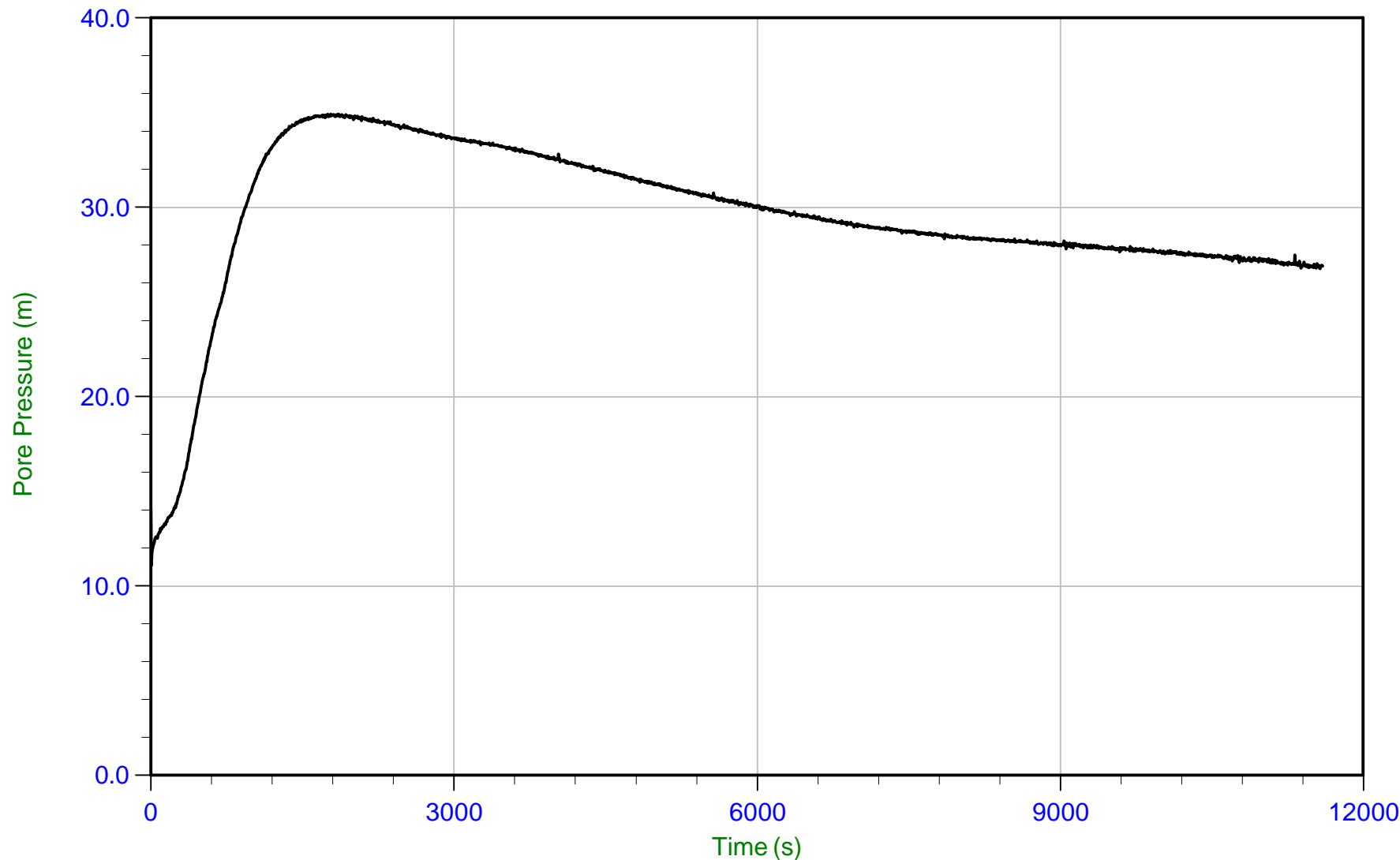
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 10.450 m / 34.284 ft

Duration: 11600.0 s

U Min: 11.1 m

U Max: 34.9 m

CONETEC

Mount Polley

Job No: 14-02091

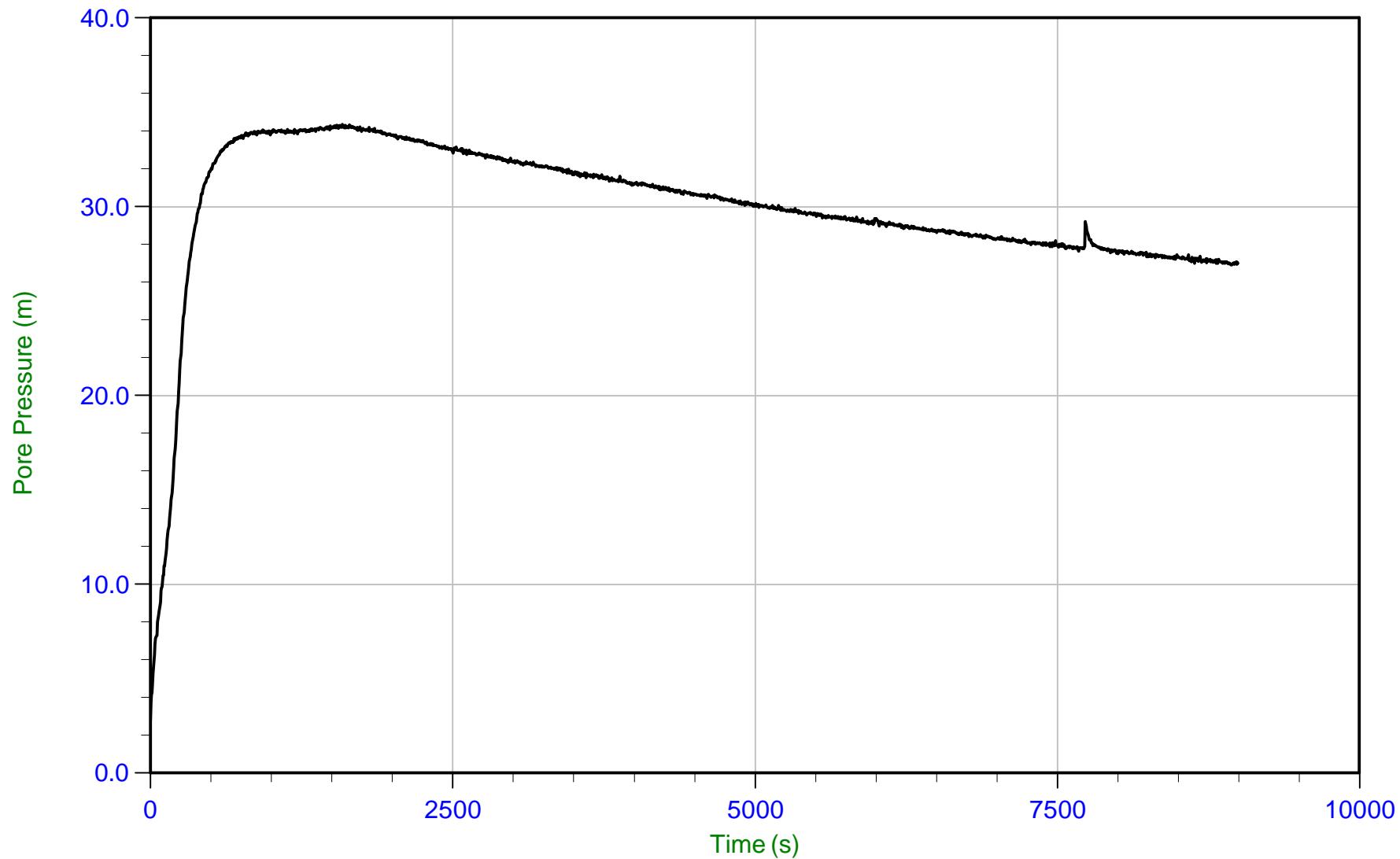
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS04.PPF
Depth: 11.825 m / 38.795 ft
Duration: 9000.0 s

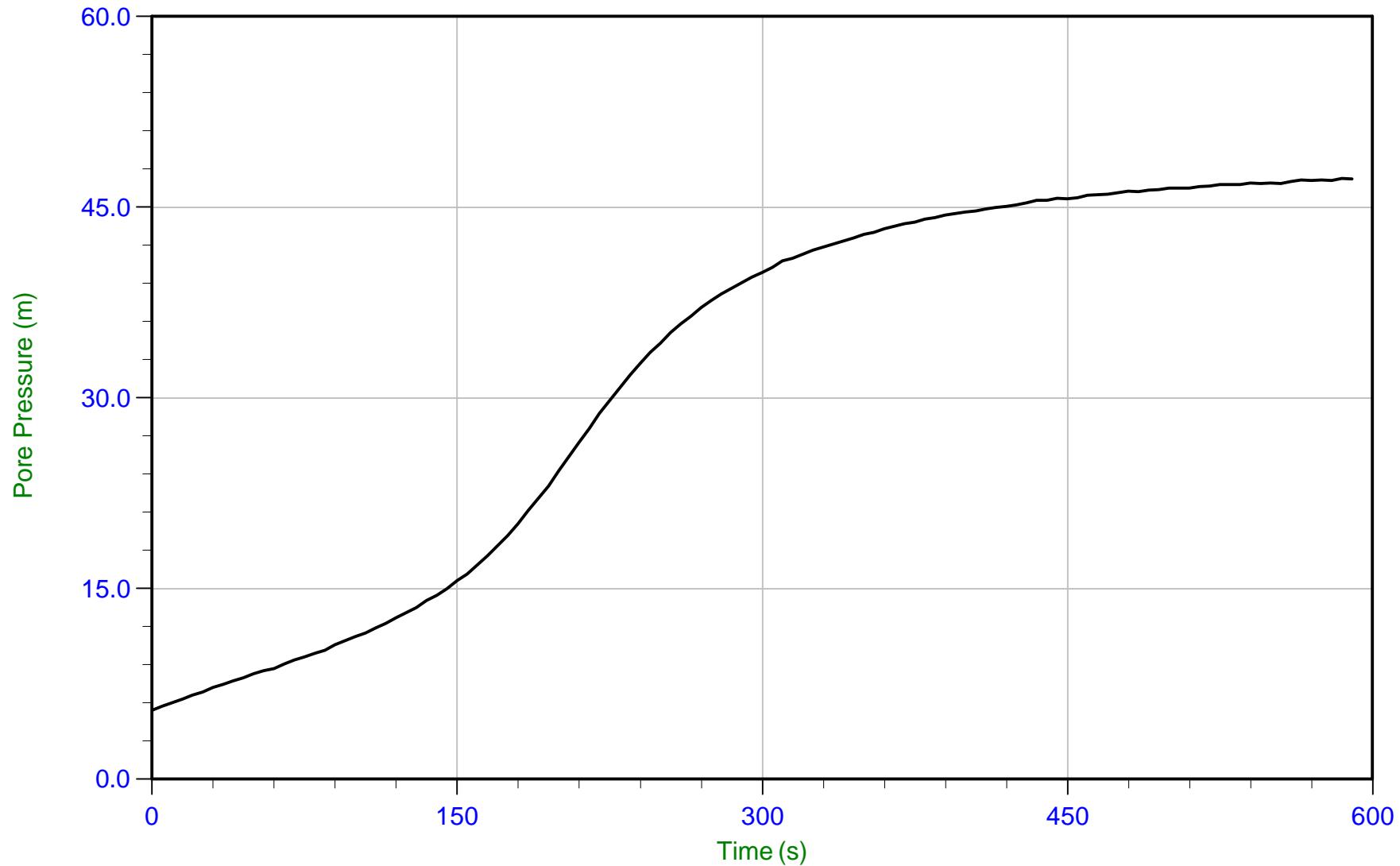
U Min: 2.8 m
U Max: 34.3 m

CONETEC

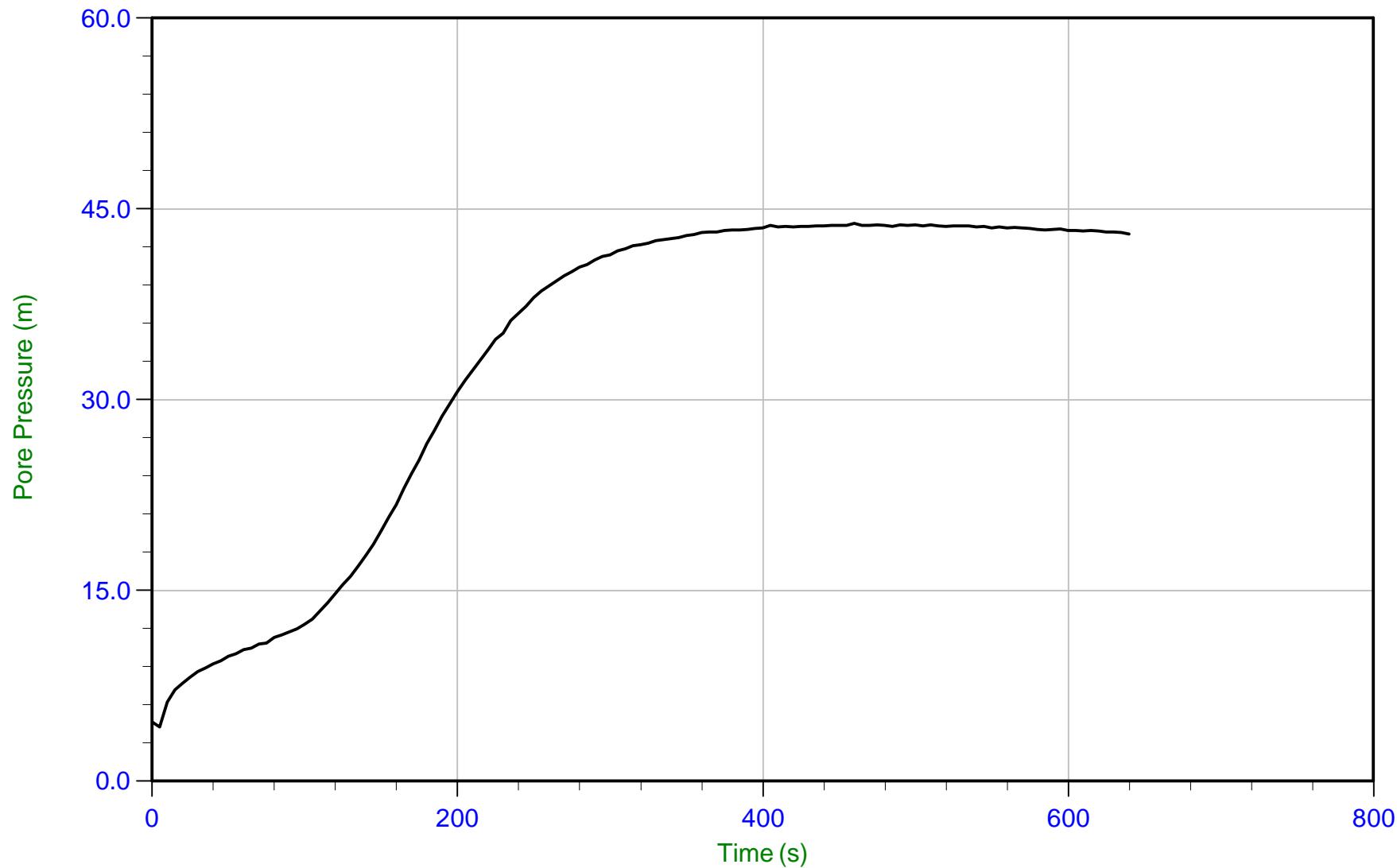
Mount Polley

Job No: 14-02091
Date: 10/04/2014 08:55
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS04.PPF
Depth: 13.400 m / 43.963 ft U Min: 5.4 m
Duration: 590.0 s U Max: 47.3 m



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 14.250 m / 46.751 ft

Duration: 640.0 s

U Min: 4.3 m

U Max: 43.9 m

CONETEC

Mount Polley

Job No: 14-02091

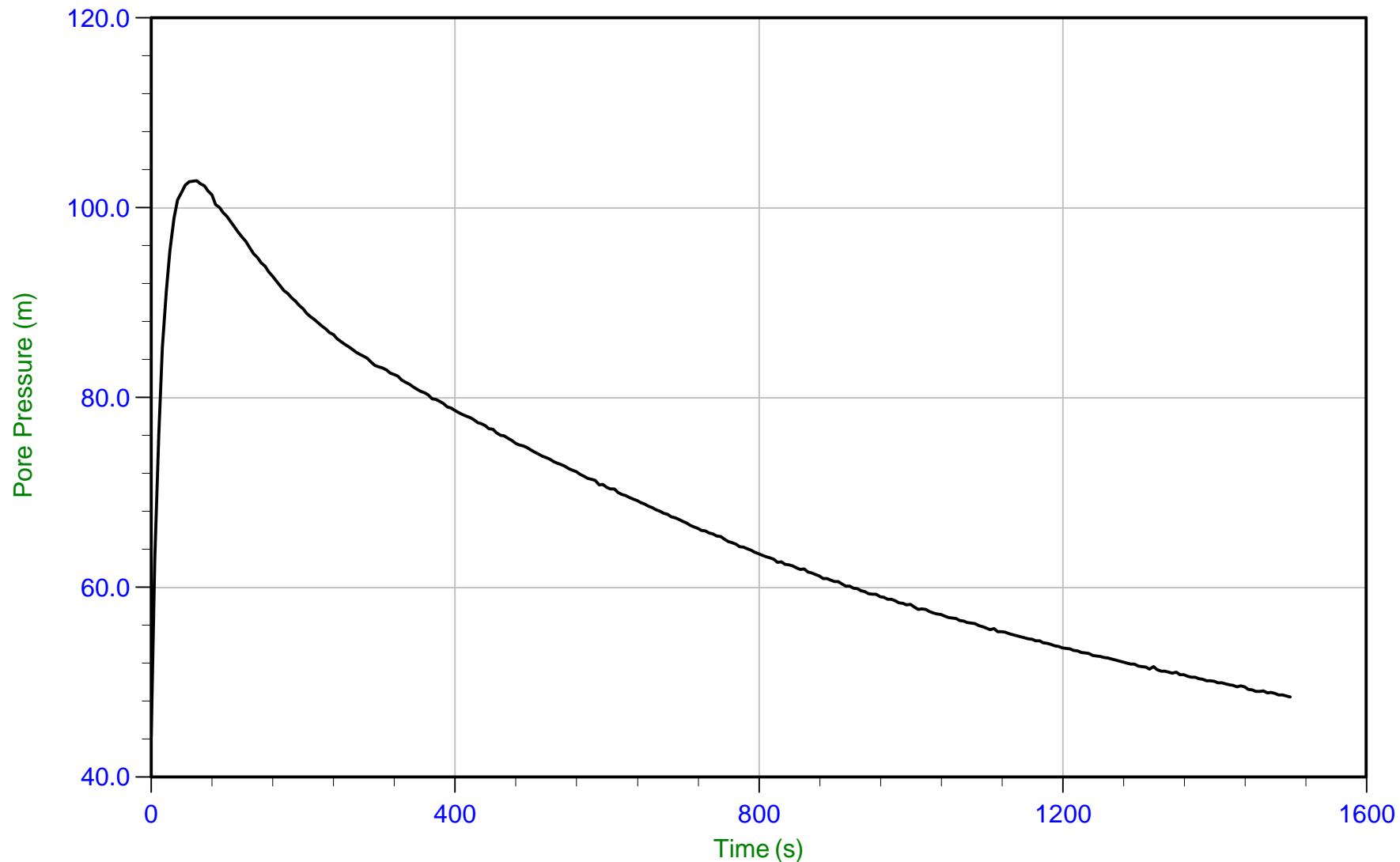
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

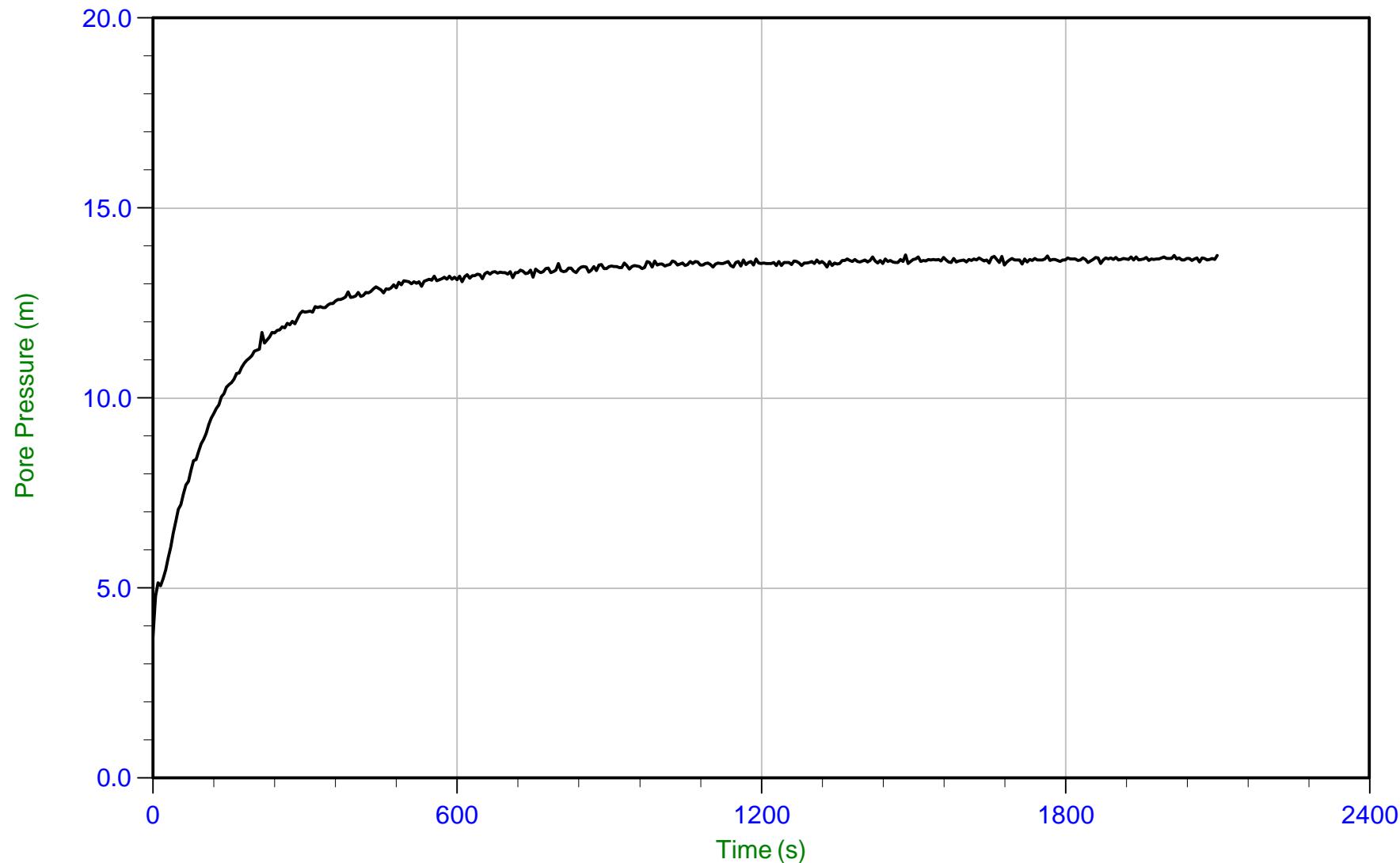
Filename: 14-02091_RS04.PPF

Depth: 15.425 m / 50.606 ft

Duration: 1500.0 s

U Min: 44.3 m

U Max: 102.8 m



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 16.500 m / 54.133 ft

Duration: 2100.0 s

U Min: 3.7 m

U Max: 13.8 m

CONETEC

Mount Polley

Job No: 14-02091

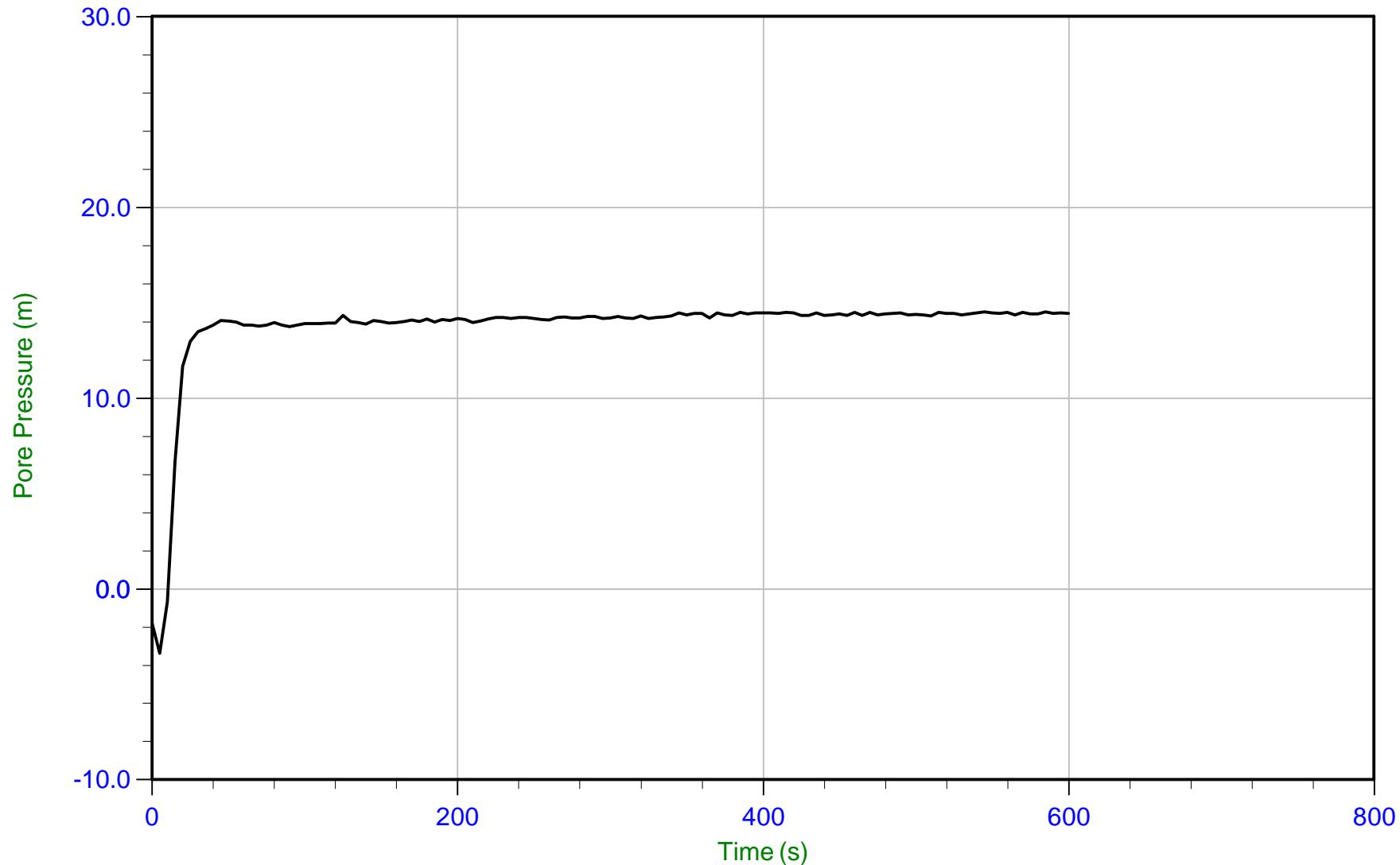
Date: 10/04/2014 08:55

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-04

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

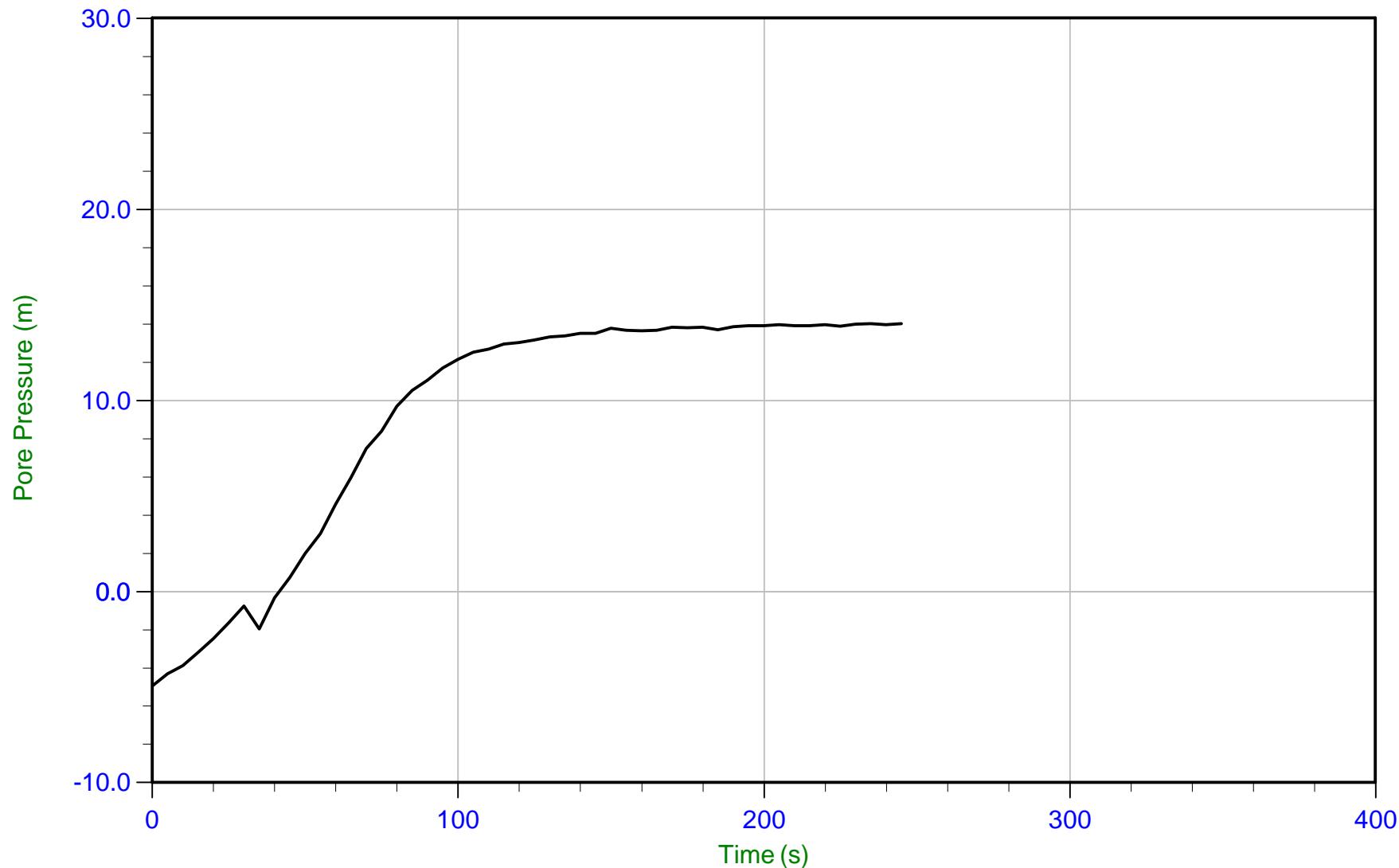
Filename: 14-02091_RS04.PPF

Depth: 17.175 m / 56.348 ft

Duration: 600.0 s

U Min: -3.4 m

U Max: 14.5 m



Trace Summary:

Filename: 14-02091_RS04.PPF

Depth: 17.250 m / 56.594 ft

Duration: 245.0 s

U Min: -5.0 m

U Max: 14.0 m

CONETEC

Mount Polley

Job No: 14-02091

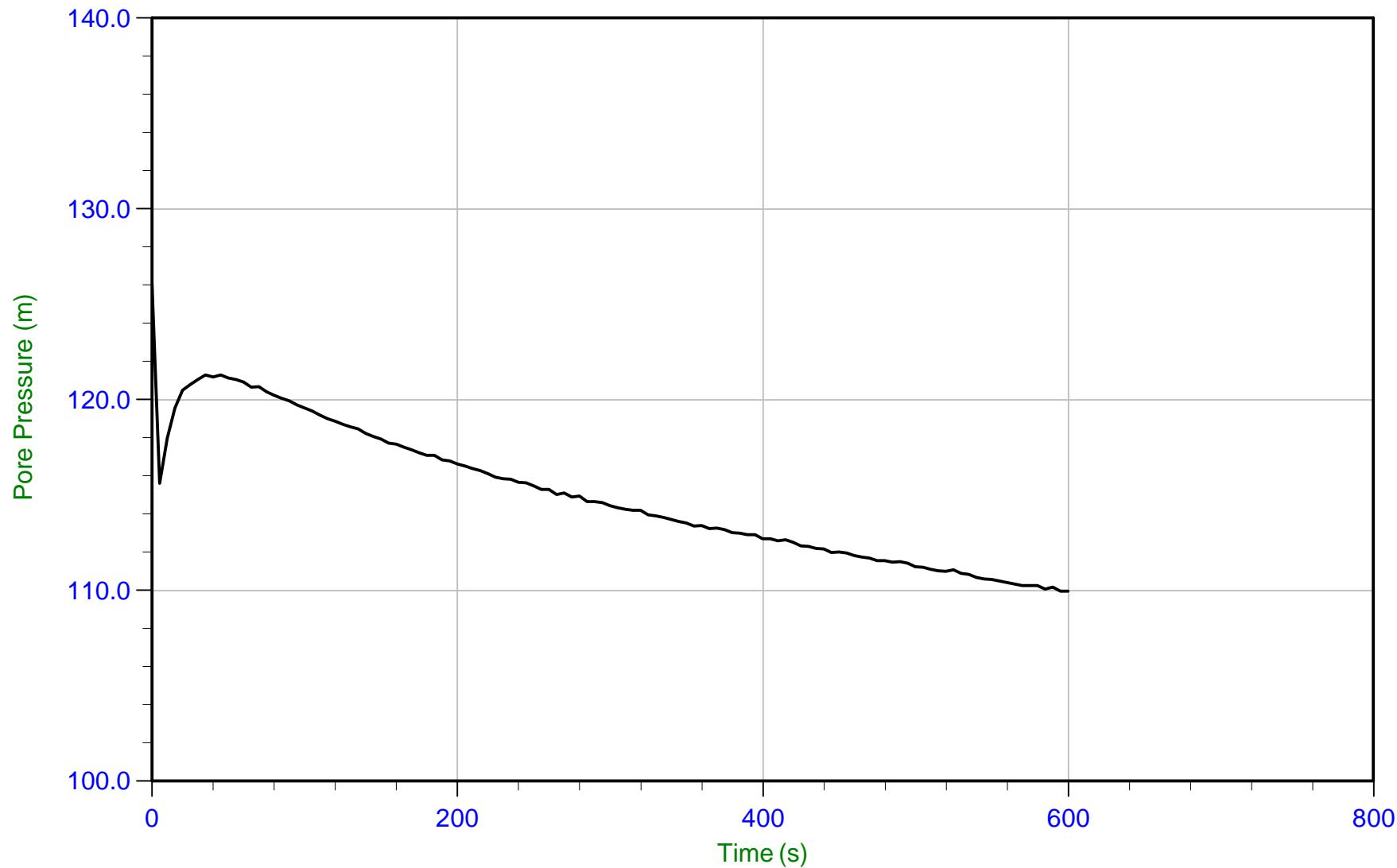
Date: 10/27/2014 13:09

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-05

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS05.PPF

Depth: 15.025 m / 49.294 ft

Duration: 600.0 s

U Min: 109.9 m

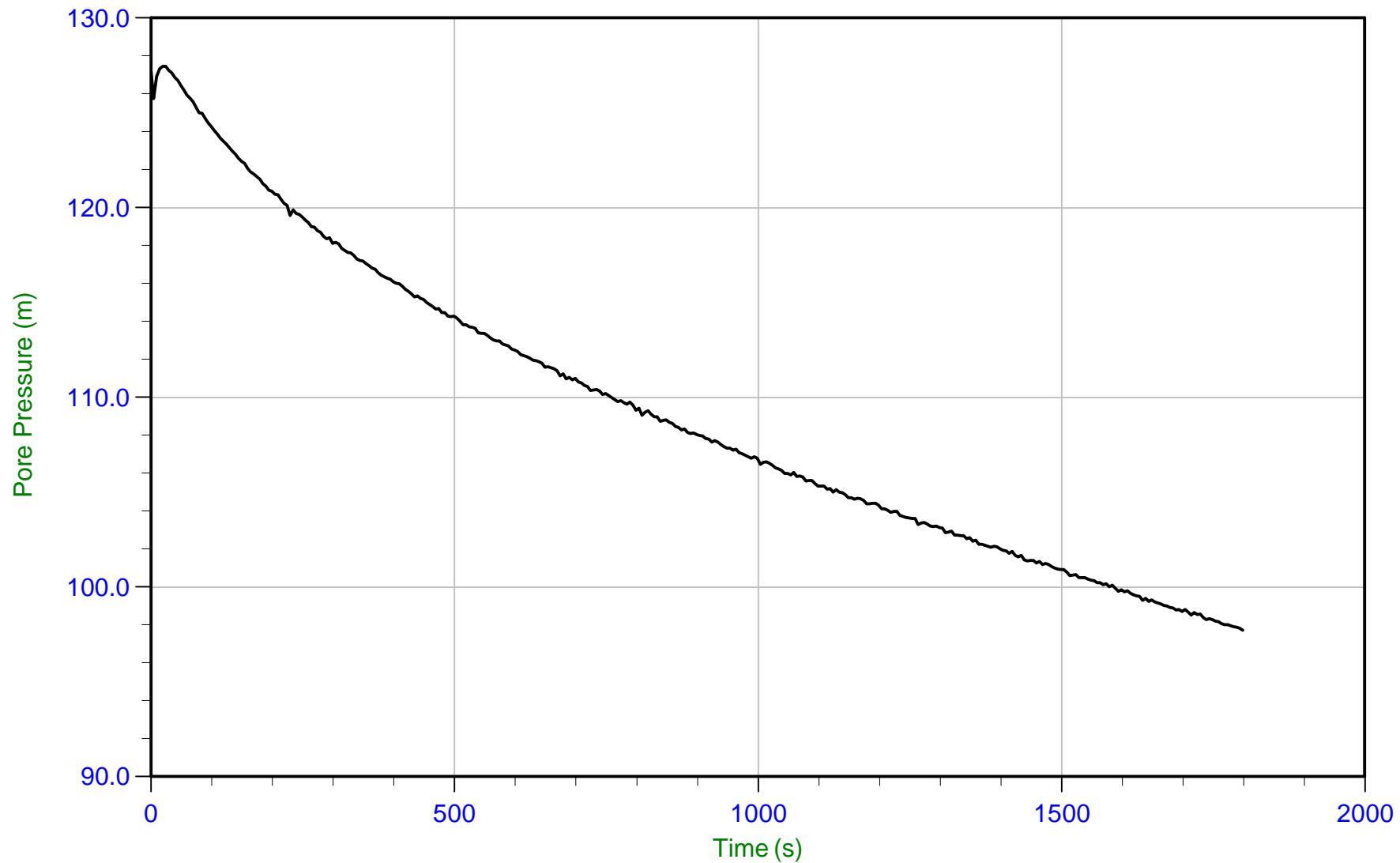
U Max: 126.0 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/27/2014 13:09
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-05
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS05.PPF
Depth: 15.575 m / 51.098 ft U Min: 97.7 m
Duration: 1800.0 s U Max: 127.5 m

CONETEC

Mount Polley

Job No: 14-02091

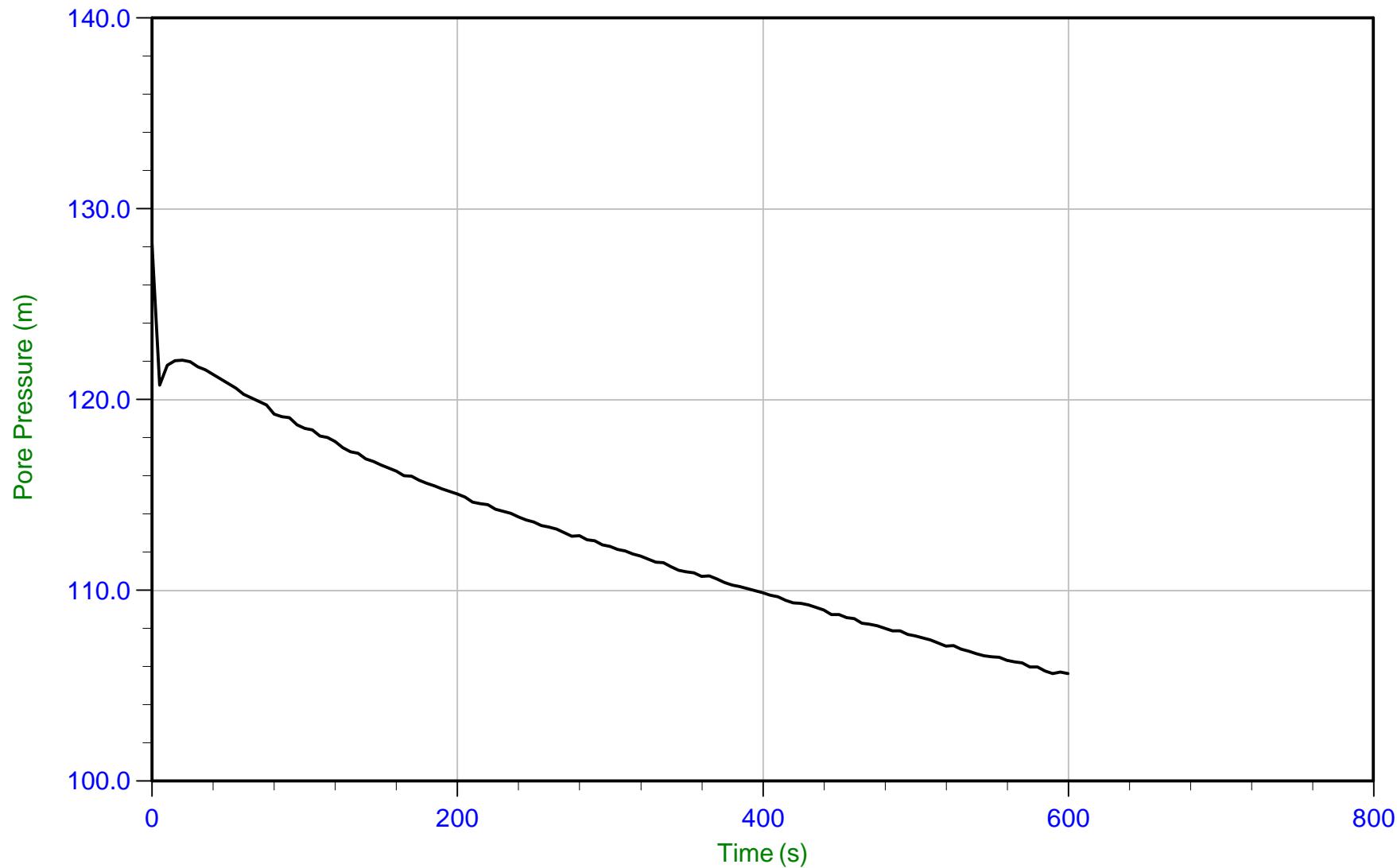
Date: 10/27/2014 13:09

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-05

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS05.PPF

Depth: 17.000 m / 55.774 ft

Duration: 600.0 s

U Min: 105.6 m

U Max: 128.1 m

CONETEC

Mount Polley

Job No: 14-02091

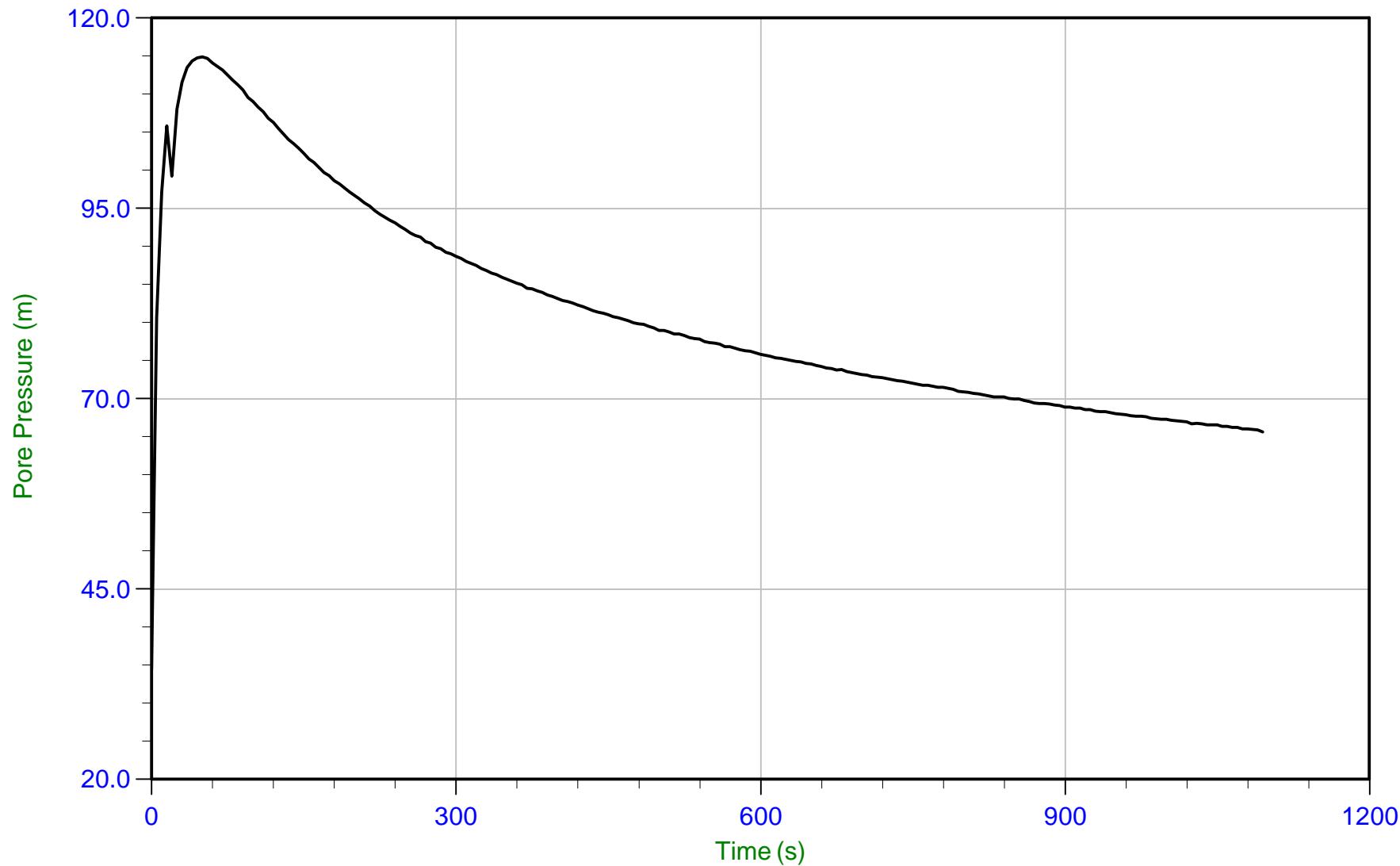
Date: 10/27/2014 13:09

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-05

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS05.PPF

Depth: 17.300 m / 56.758 ft

Duration: 1095.0 s

U Min: 34.5 m

U Max: 114.9 m

CONETEC

Mount Polley

Job No: 14-02091

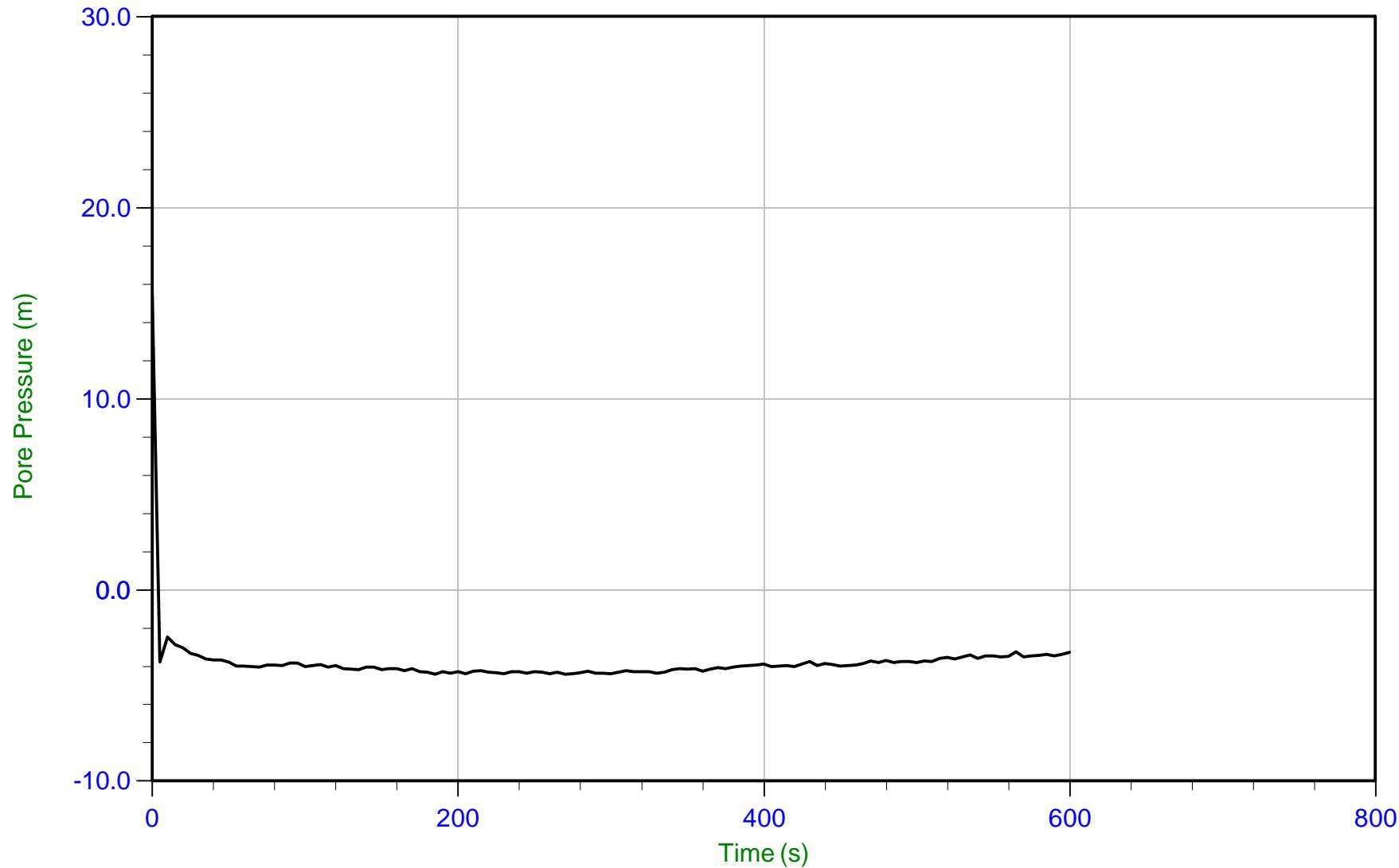
Date: 10/27/2014 13:09

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-05

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS05.PPF

Depth: 17.600 m / 57.742 ft

Duration: 600.0 s

U Min: -4.4 m

U Max: 15.5 m

CONETEC

Mount Polley

Job No: 14-02091

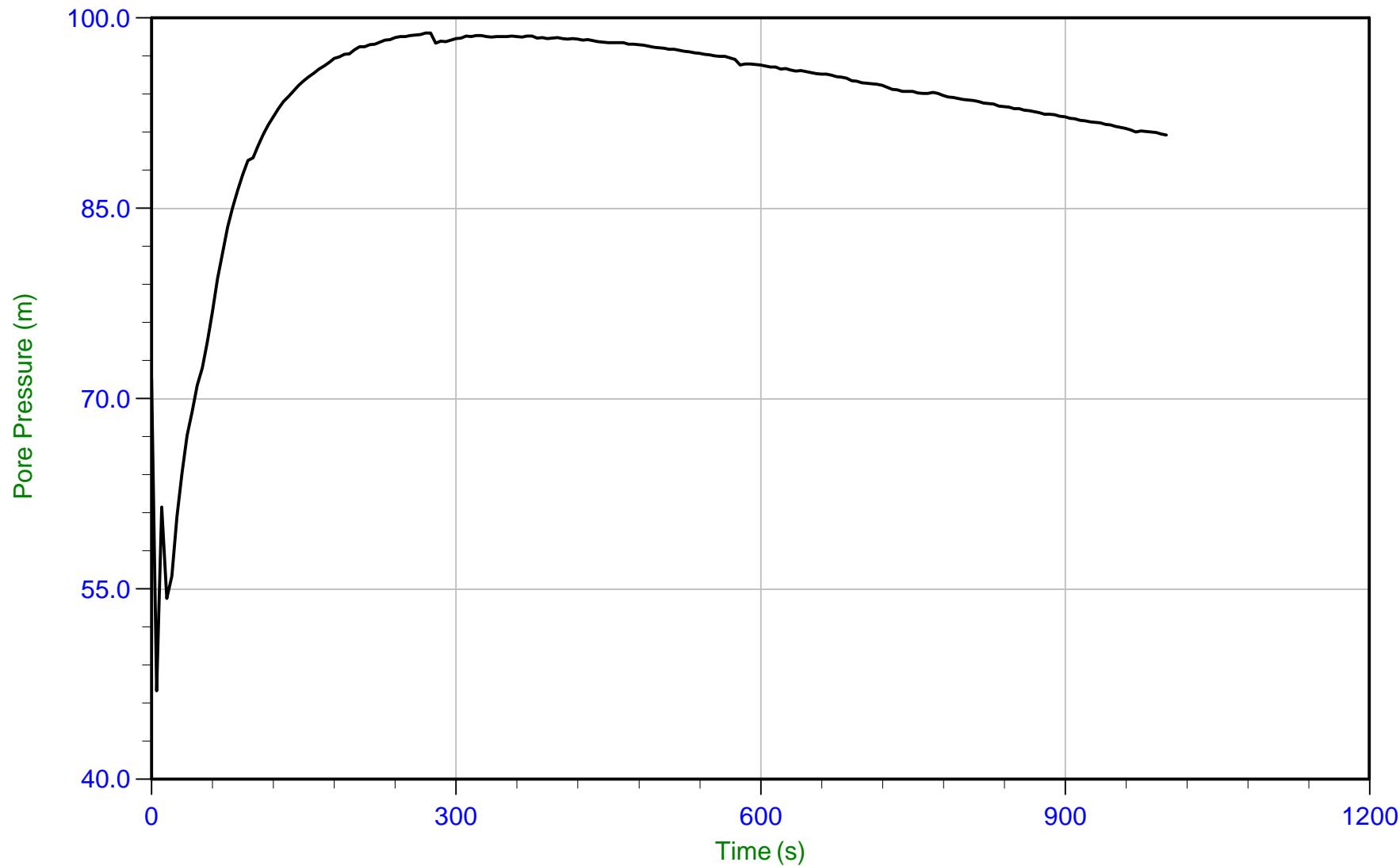
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 10.075 m / 33.054 ft

Duration: 1000.0 s

U Min: 47.0 m

U Max: 98.8 m

CONETEC

Mount Polley

Job No: 14-02091

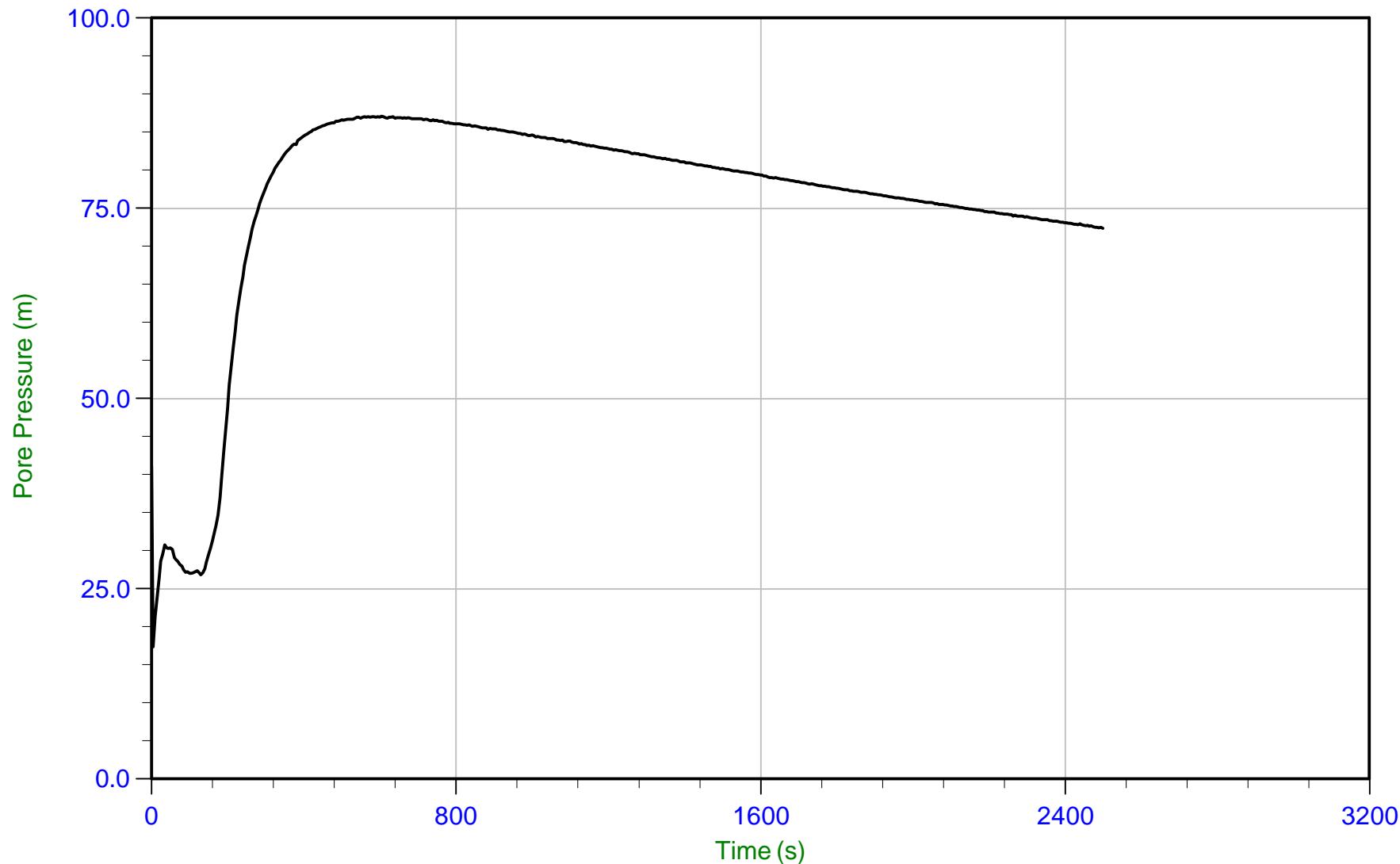
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

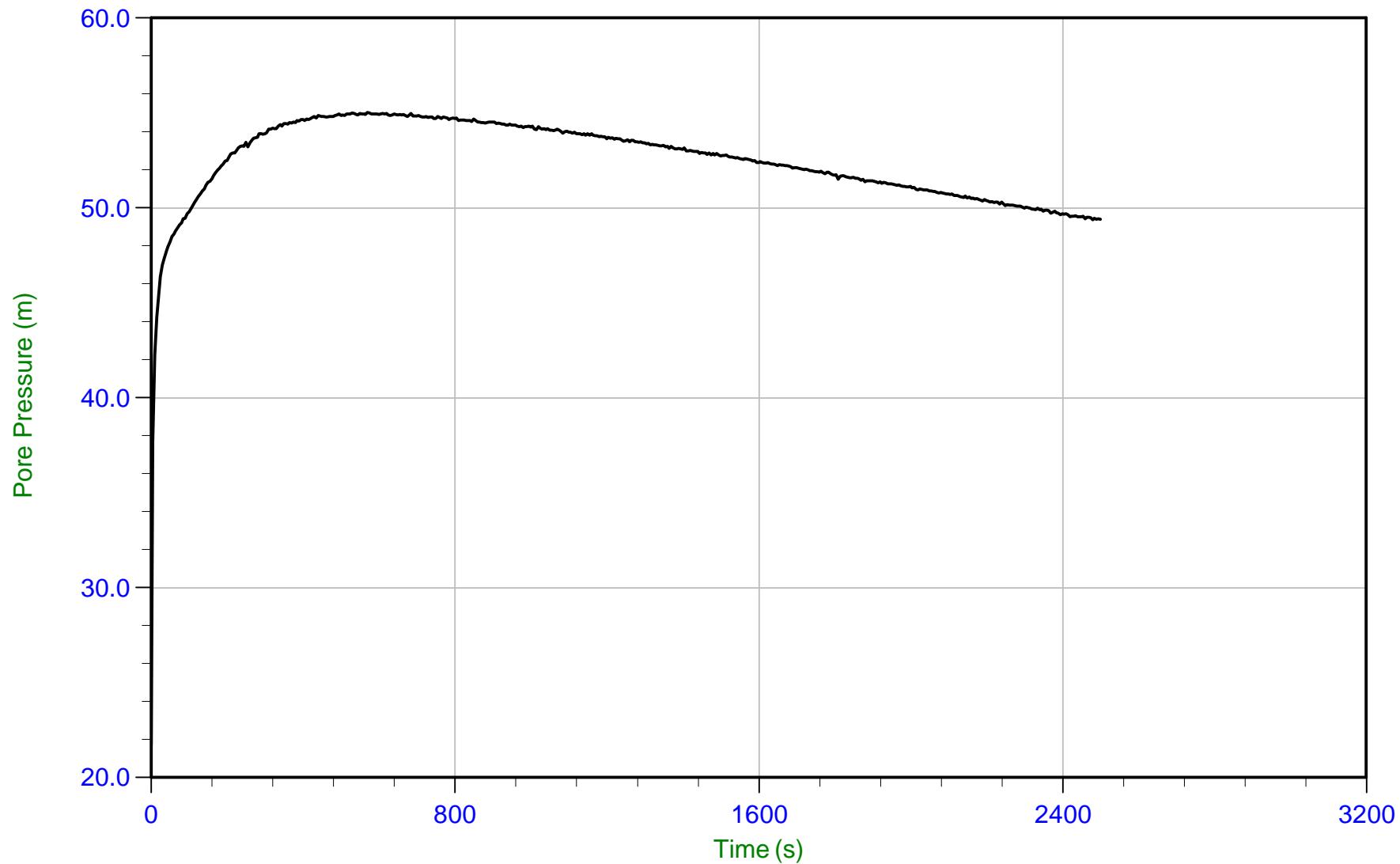
Filename: 14-02091_RS06.PPF

Depth: 10.475 m / 34.366 ft

Duration: 2500.0 s

U Min: 17.4 m

U Max: 87.1 m



Trace Summary: Filename: 14-02091_RS06.PPF
Depth: 12.000 m / 39.370 ft U Min: 21.7 m
Duration: 2500.0 s U Max: 55.0 m

CONETEC

Mount Polley

Job No: 14-02091

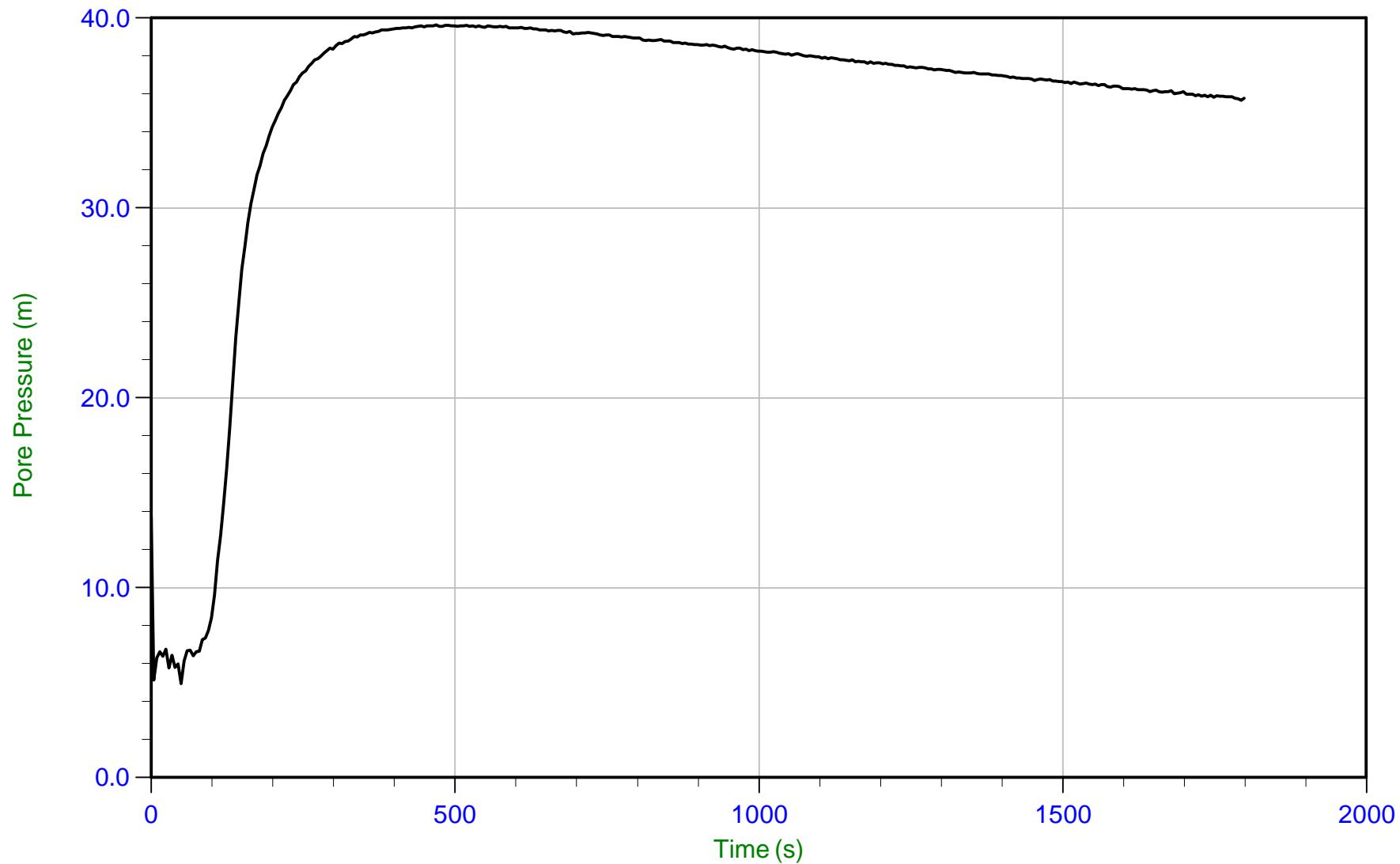
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 13.550 m / 44.455 ft

Duration: 1800.0 s

U Min: 5.0 m

U Max: 39.6 m

CONETEC

Mount Polley

Job No: 14-02091

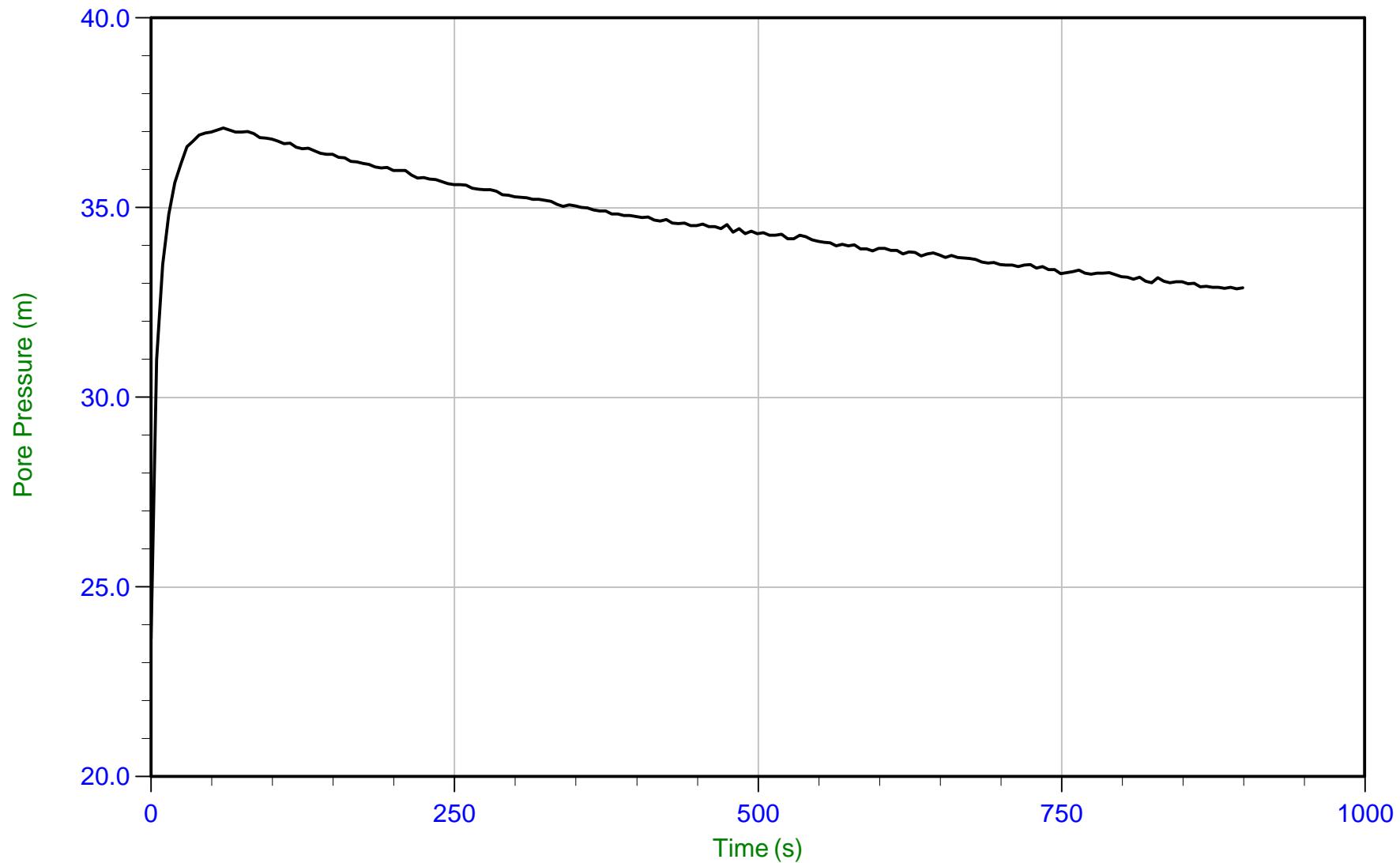
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS06.PPF
Depth: 13.950 m / 45.767 ft
Duration: 900.0 s

U Min: 23.6 m
U Max: 37.1 m

CONETEC

Mount Polley

Job No: 14-02091

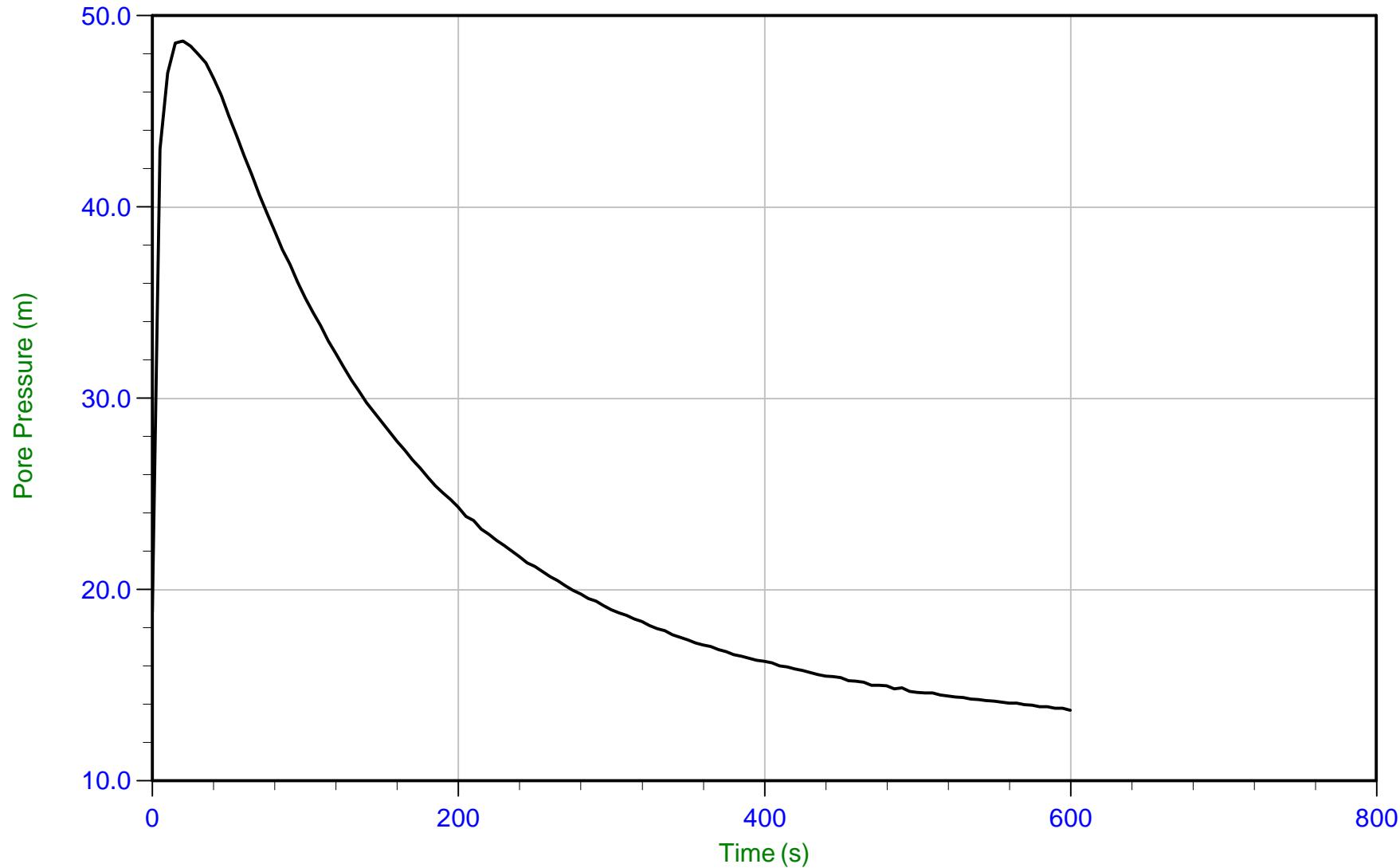
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 15.000 m / 49.212 ft

Duration: 600.0 s

U Min: 13.7 m

U Max: 48.7 m

CONETEC

Mount Polley

Job No: 14-02091

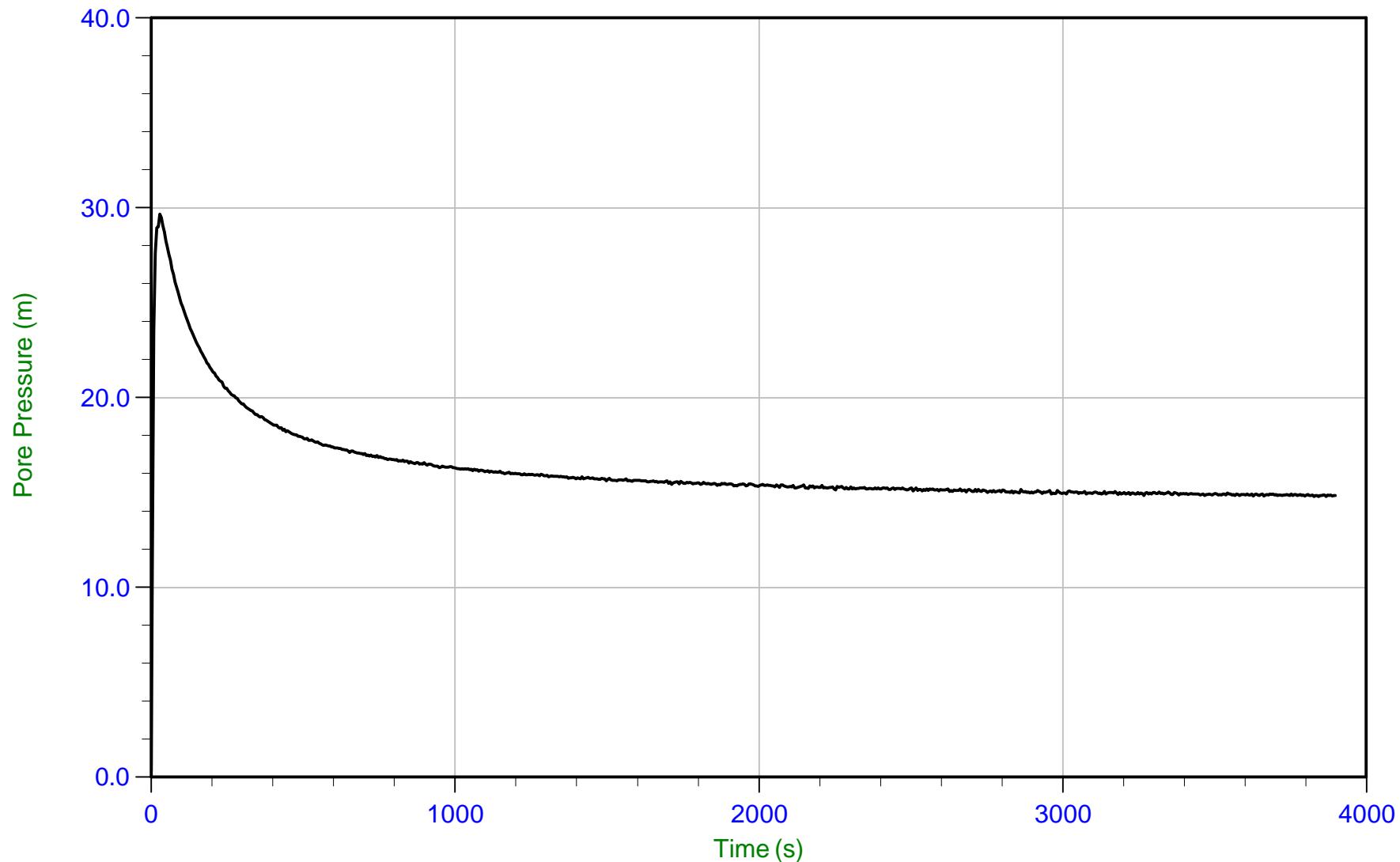
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 15.450 m / 50.688 ft

Duration: 3900.0 s

U Min: 0.3 m

U Max: 29.7 m

CONETEC

Mount Polley

Job No: 14-02091

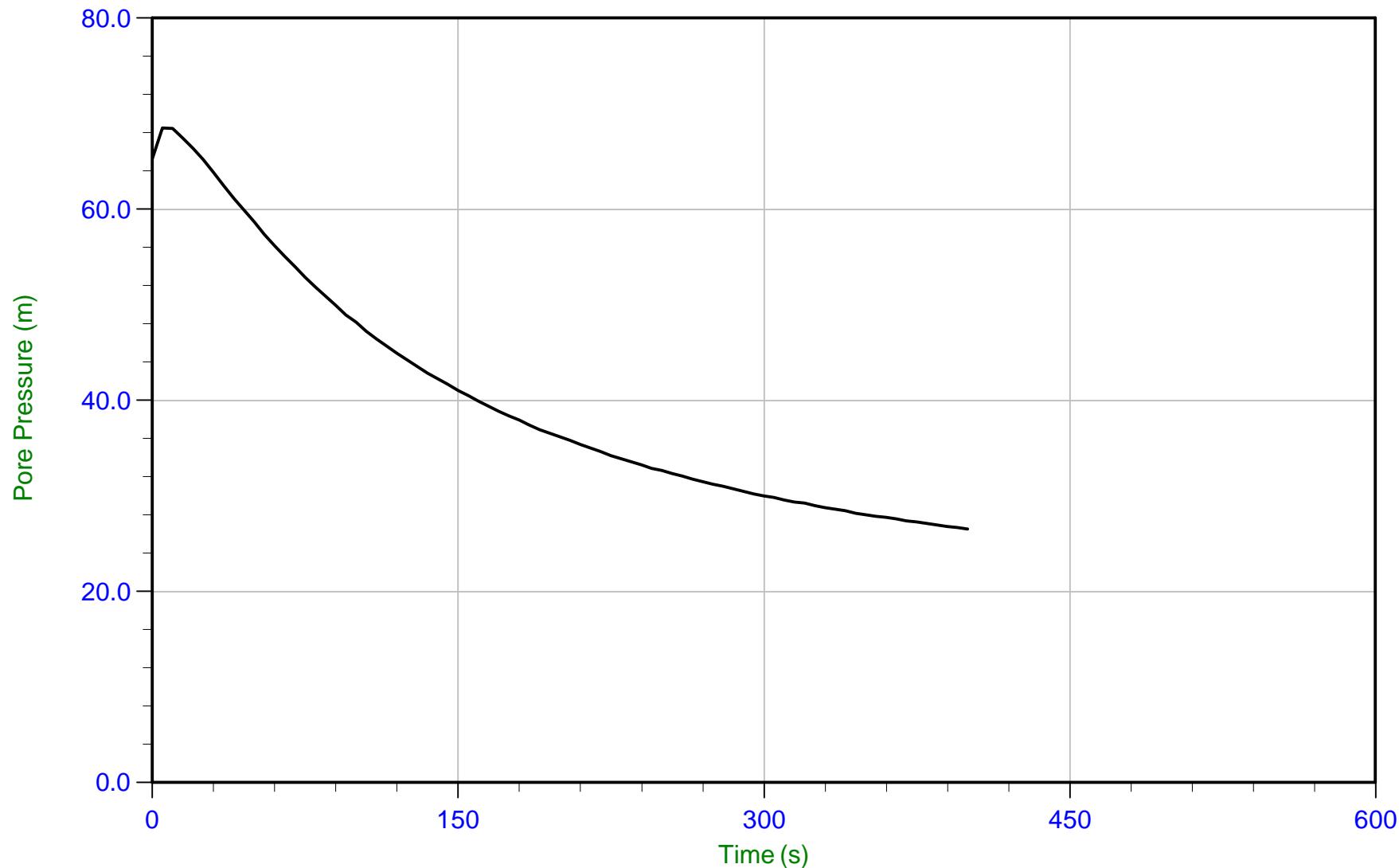
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 16.000 m / 52.493 ft

Duration: 400.0 s

U Min: 26.5 m

U Max: 68.5 m

CONETEC

Mount Polley

Job No: 14-02091

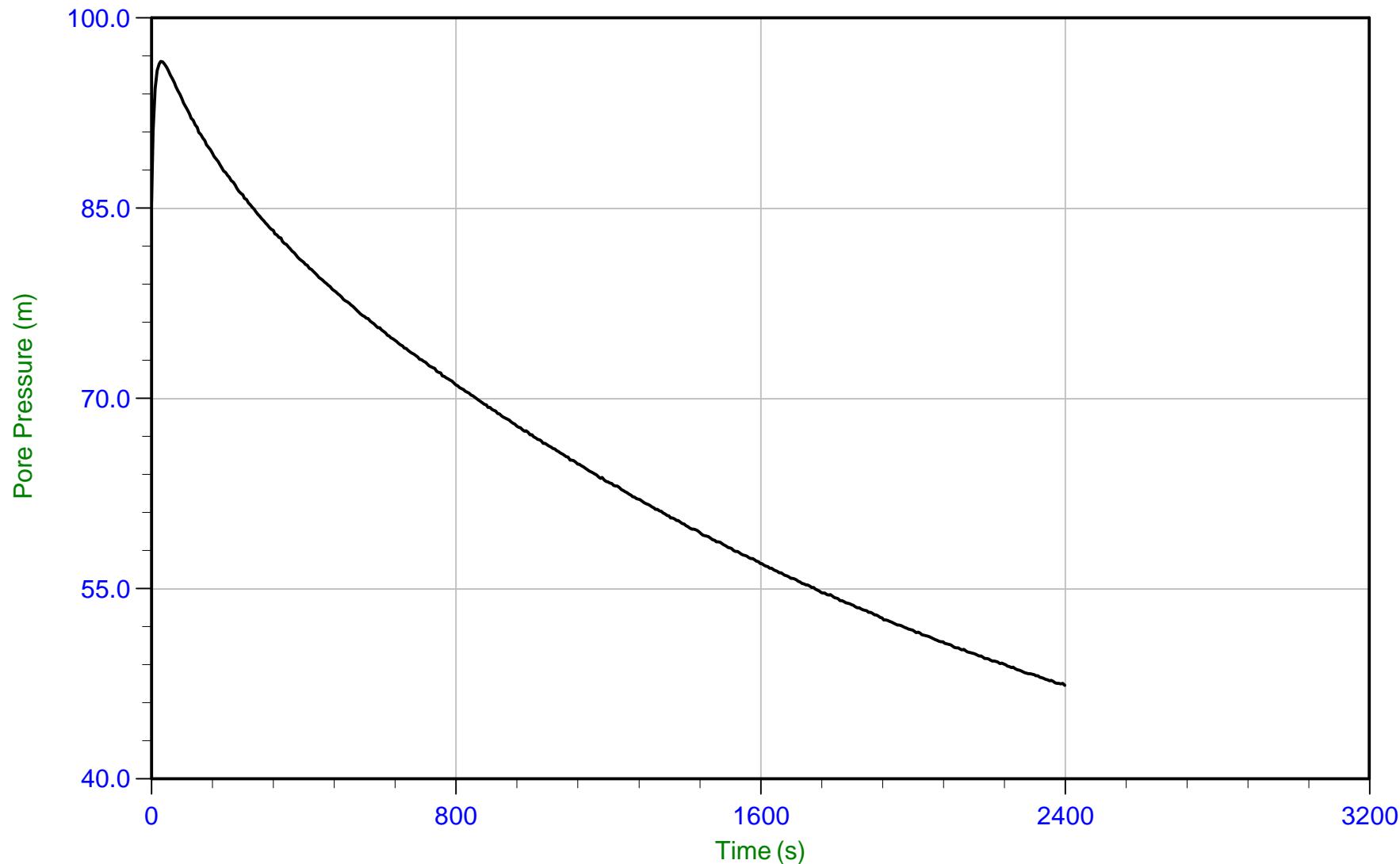
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 17.000 m / 55.774 ft

Duration: 2400.0 s

U Min: 47.4 m

U Max: 96.6 m

CONETEC

Mount Polley

Job No: 14-02091

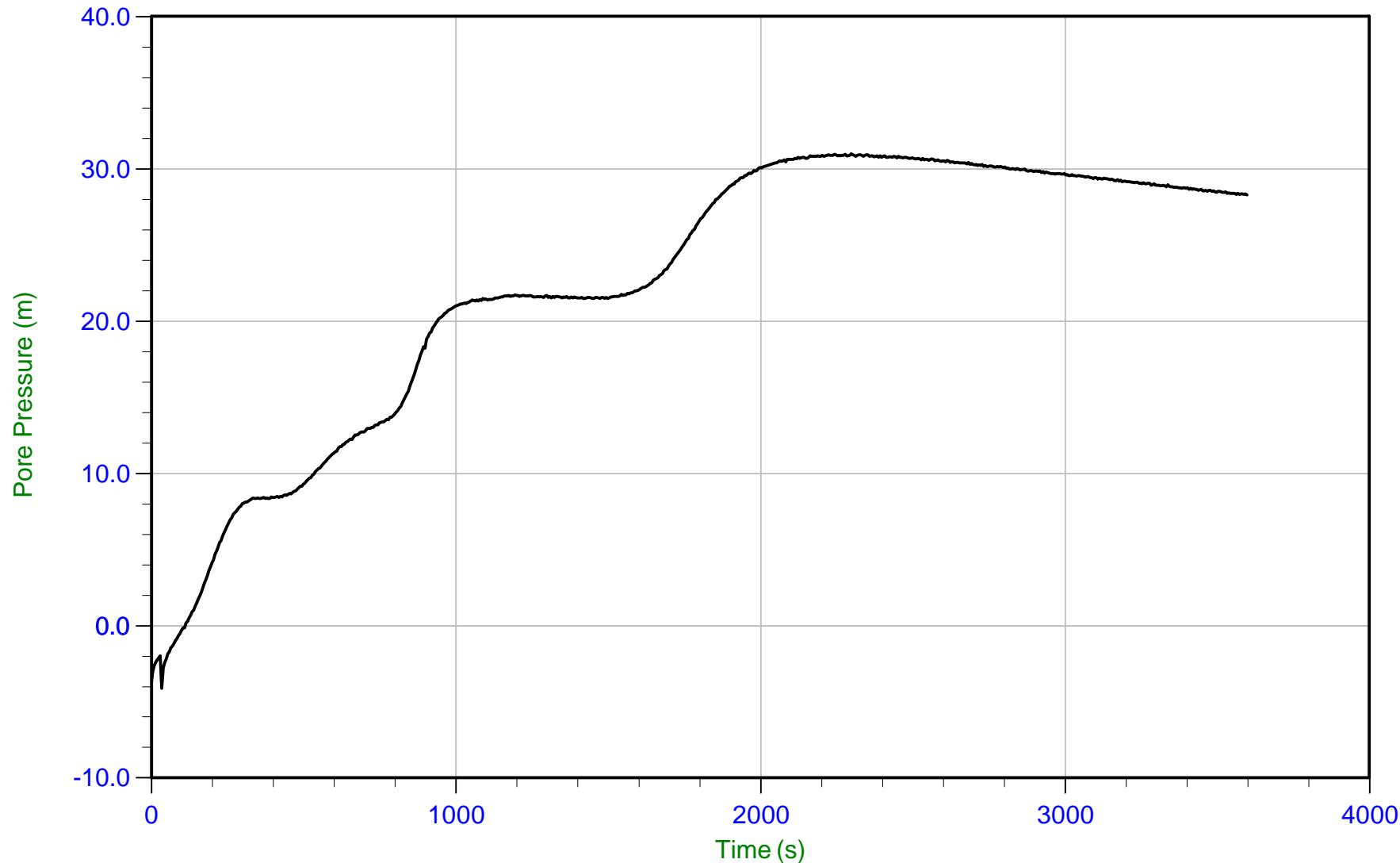
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS06.PPF
Depth: 18.550 m / 60.859 ft
Duration: 3600.0 s

U Min: -4.1 m
U Max: 31.0 m

CONETEC

Mount Polley

Job No: 14-02091

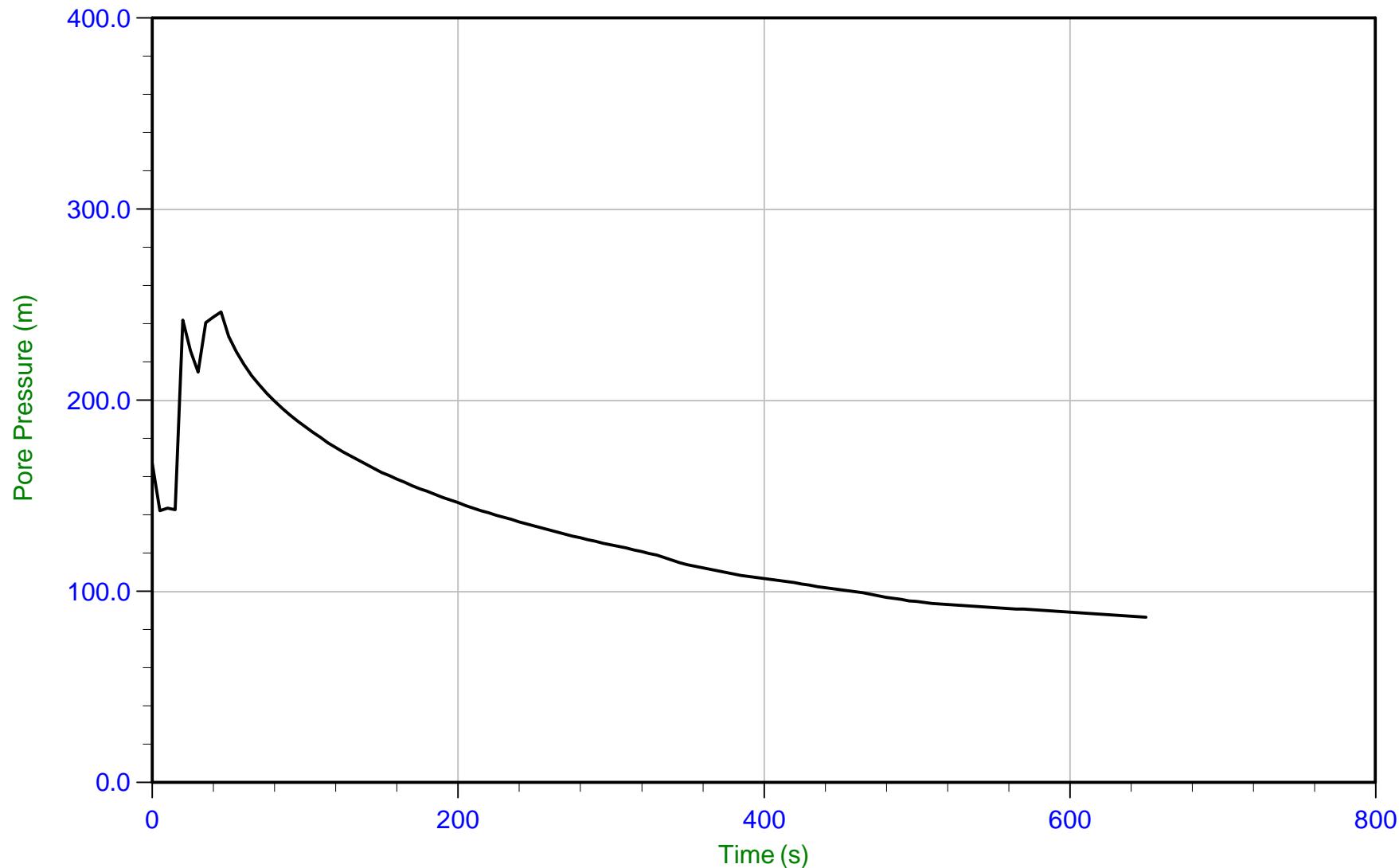
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 19.950 m / 65.452 ft

Duration: 650.0 s

U Min: 86.4 m

U Max: 246.2 m

CONETEC

Mount Polley

Job No: 14-02091

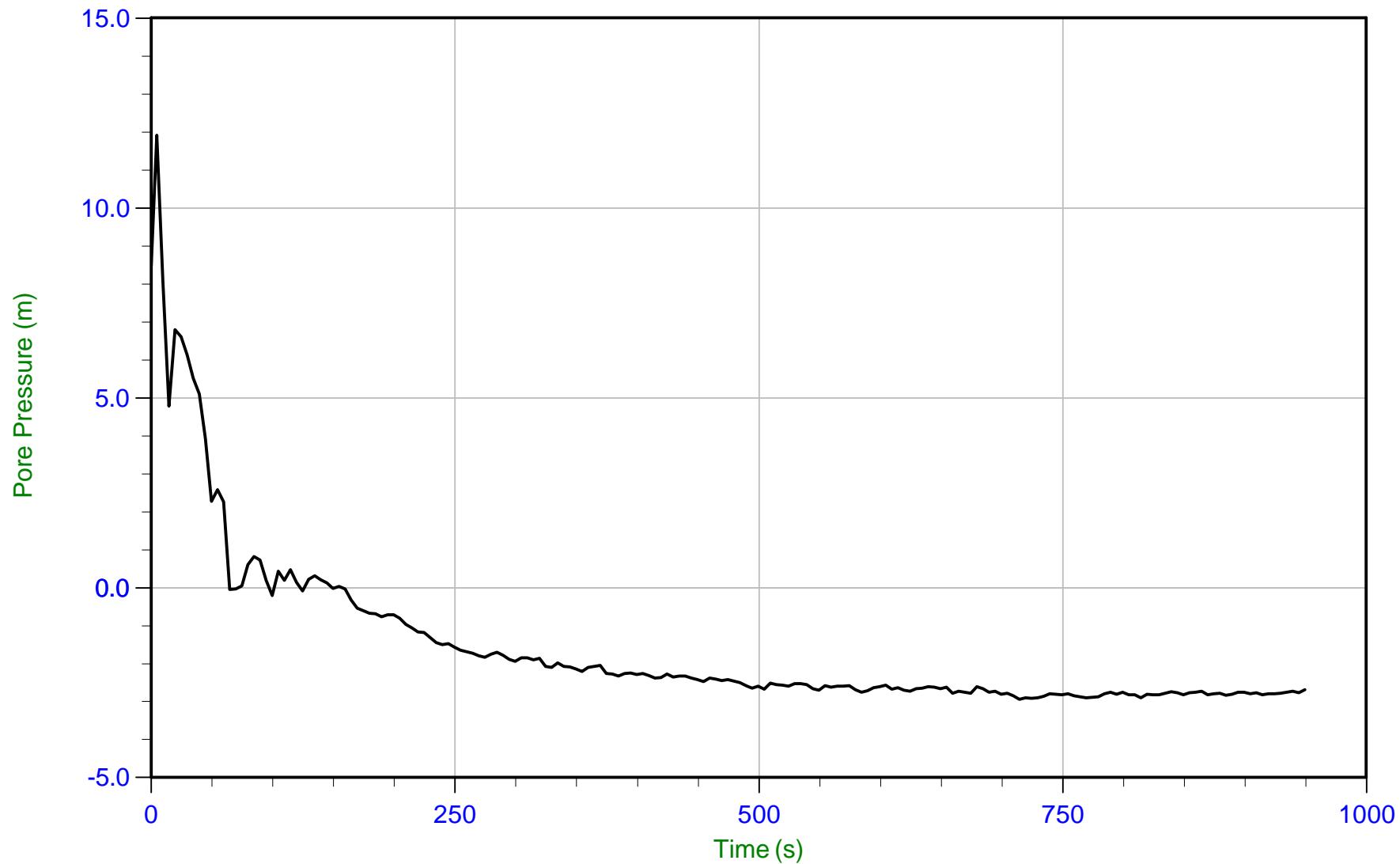
Date: 10/07/2014 08:35

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-06

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS06.PPF

Depth: 20.225 m / 66.354 ft

Duration: 950.0 s

U Min: -2.9 m

U Max: 11.9 m

CONETEC

Mount Polley

Job No: 14-02091

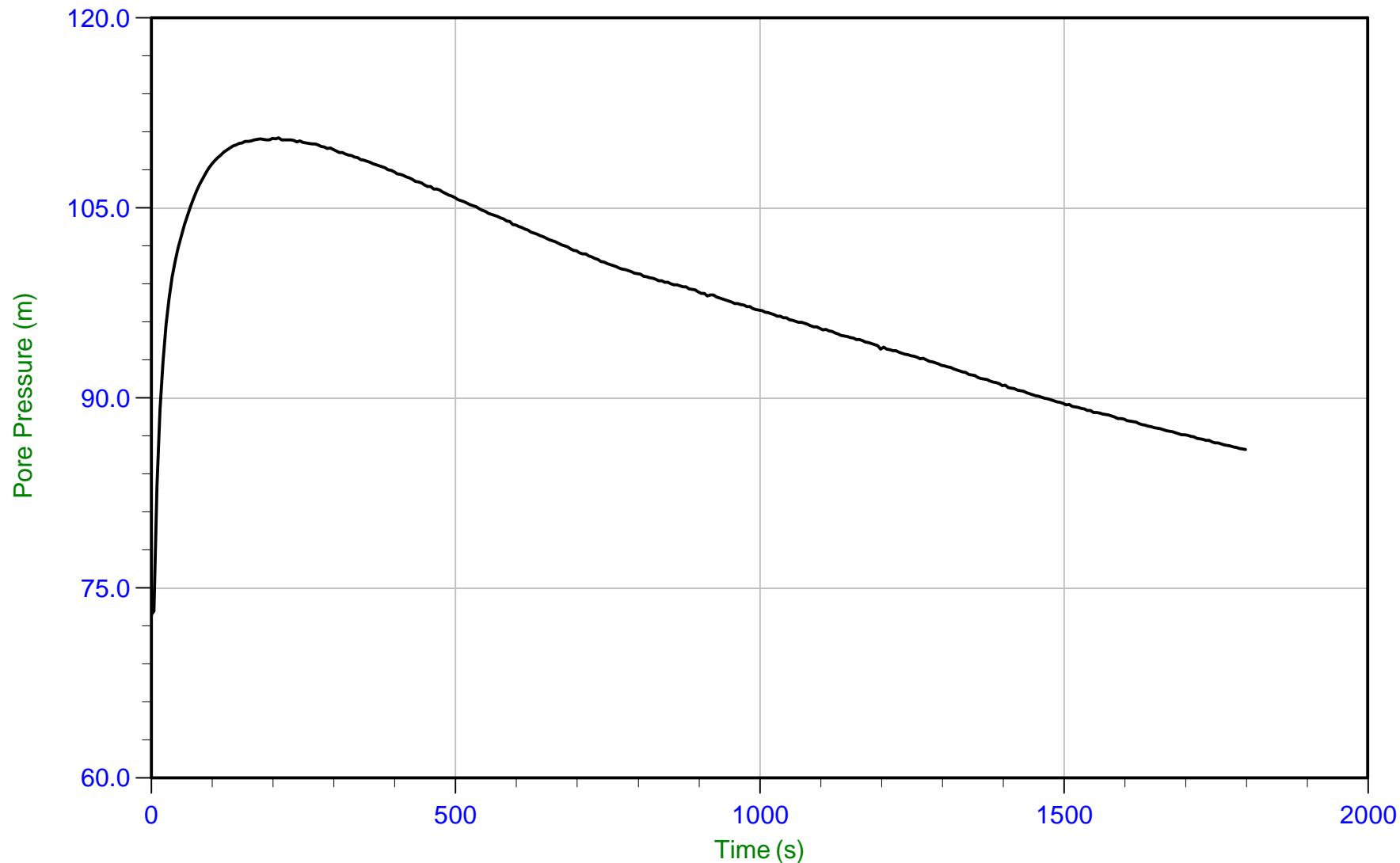
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 7.000 m / 22.966 ft

Duration: 1800.0 s

U Min: 72.9 m

U Max: 110.5 m

CONETEC

Mount Polley

Job No: 14-02091

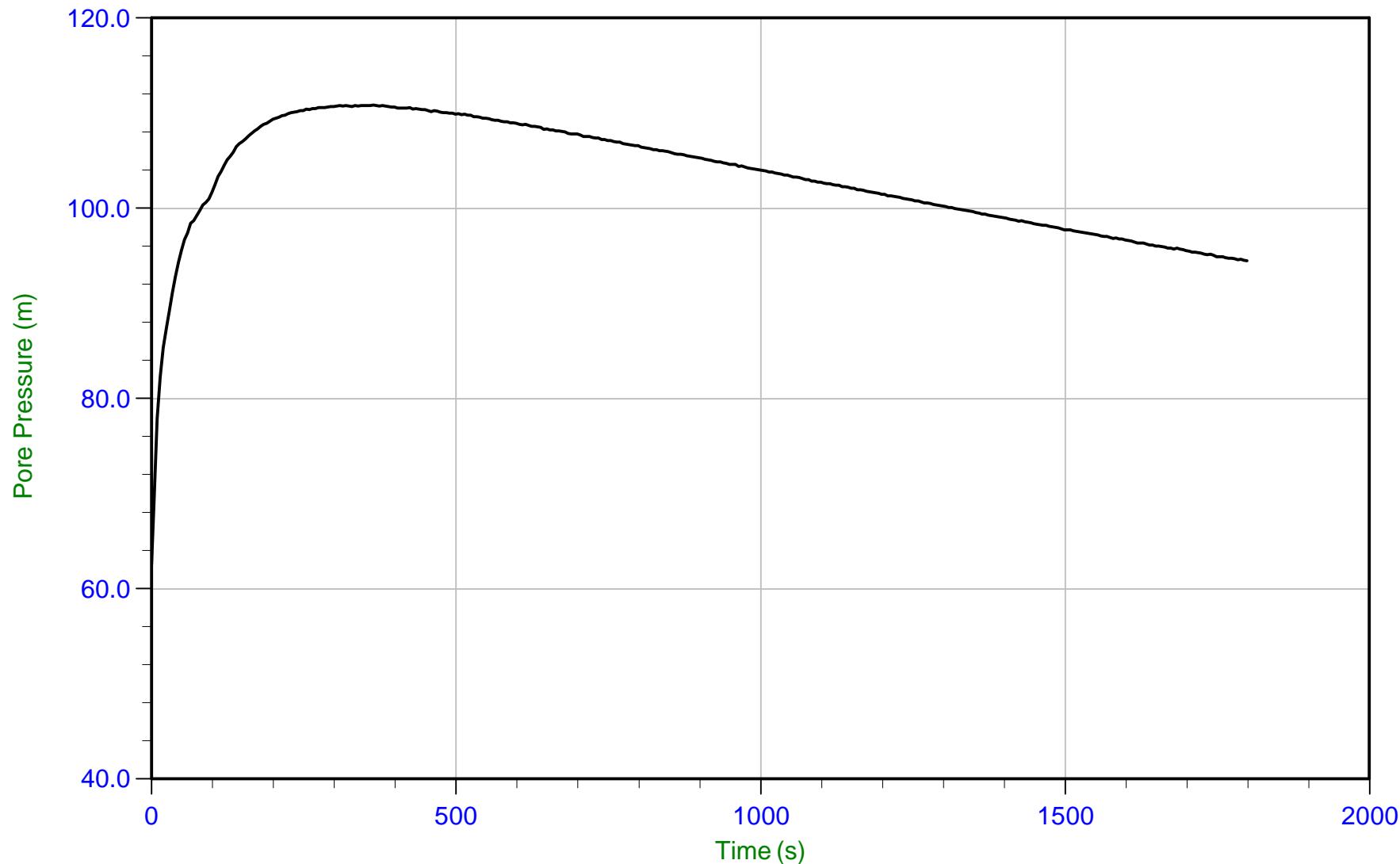
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 9.000 m / 29.527 ft

Duration: 1800.0 s

U Min: 62.5 m

U Max: 110.8 m

CONETEC

Mount Polley

Job No: 14-02091

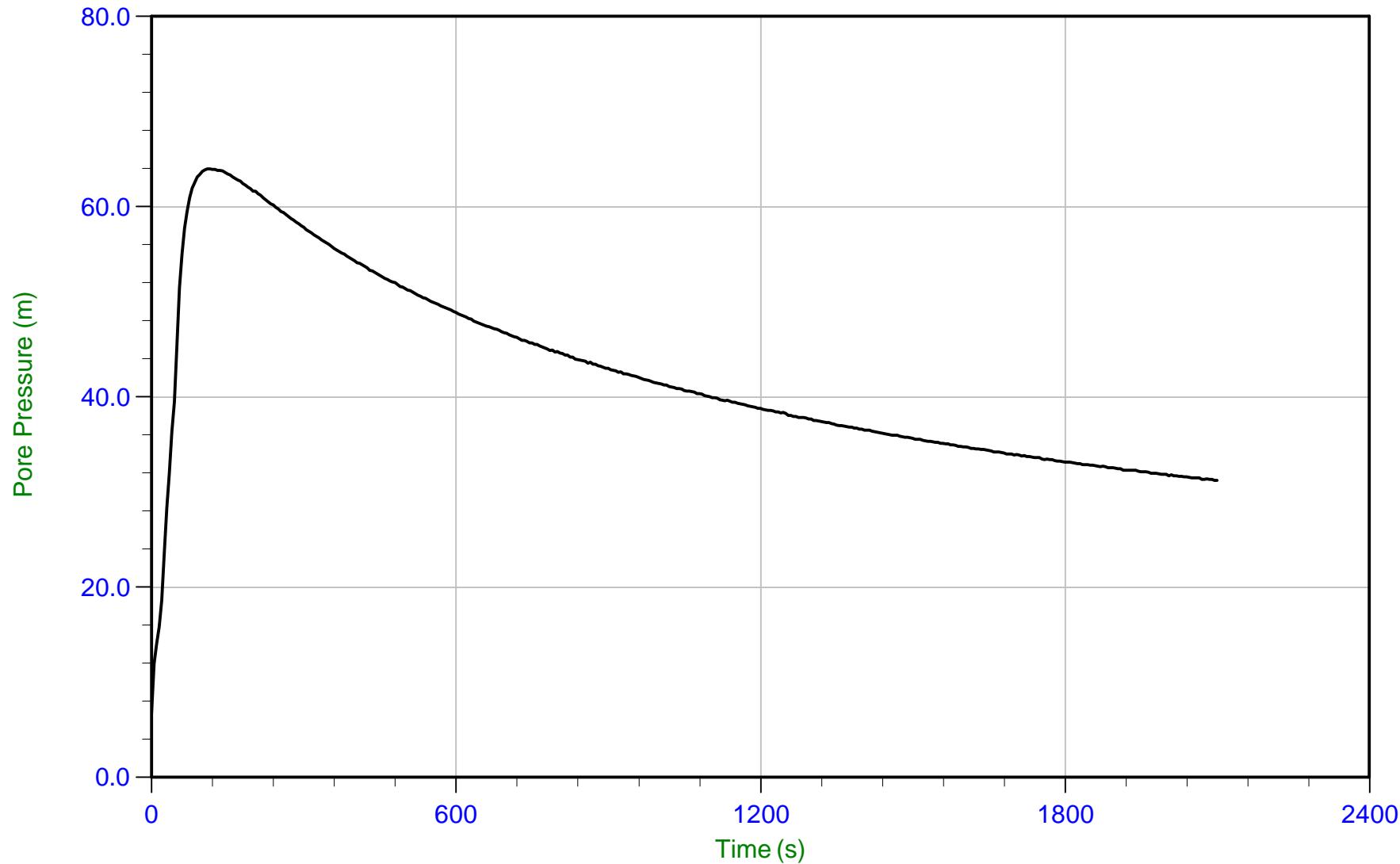
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 11.200 m / 36.745 ft

Duration: 2100.0 s

U Min: 6.8 m

U Max: 64.0 m

CONETEC

Mount Polley

Job No: 14-02091

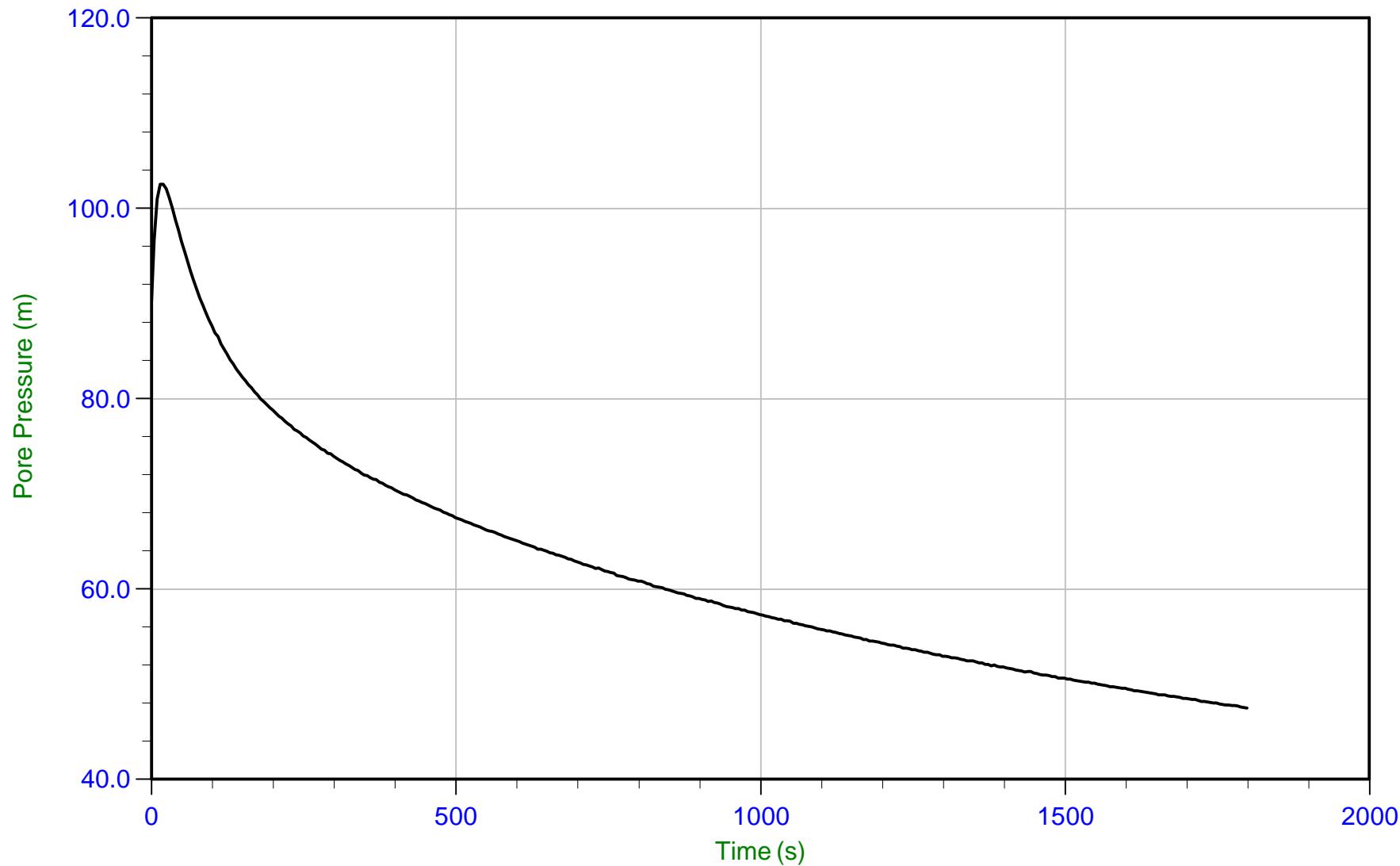
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 11.600 m / 38.057 ft

Duration: 1800.0 s

U Min: 47.5 m

U Max: 102.6 m

CONETEC

Mount Polley

Job No: 14-02091

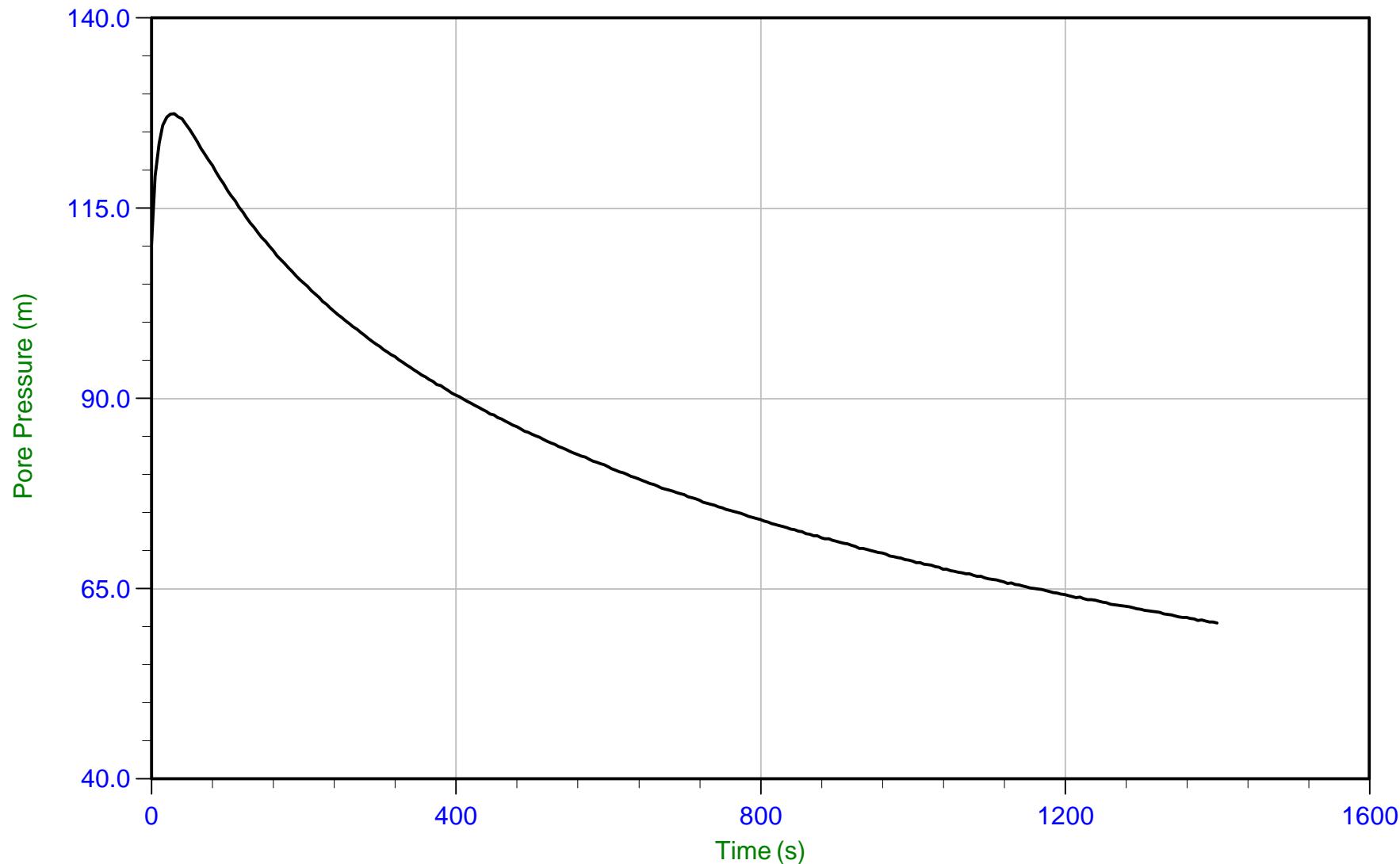
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 12.125 m / 39.780 ft

Duration: 1400.0 s

U Min: 60.5 m

U Max: 127.5 m

CONETEC

Mount Polley

Job No: 14-02091

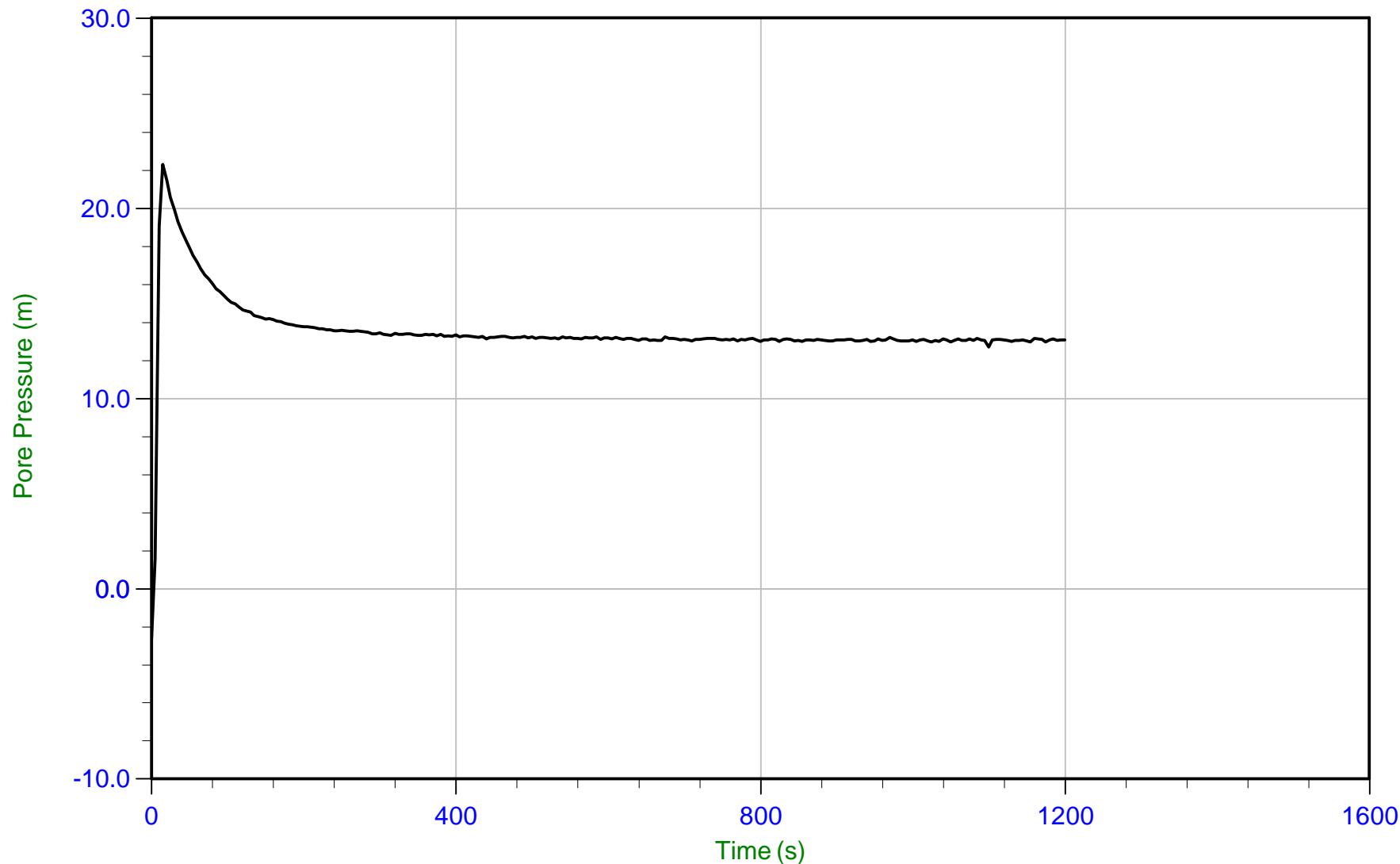
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 12.625 m / 41.420 ft

Duration: 1200.0 s

U Min: -2.6 m

U Max: 22.3 m

CONETEC

Mount Polley

Job No: 14-02091

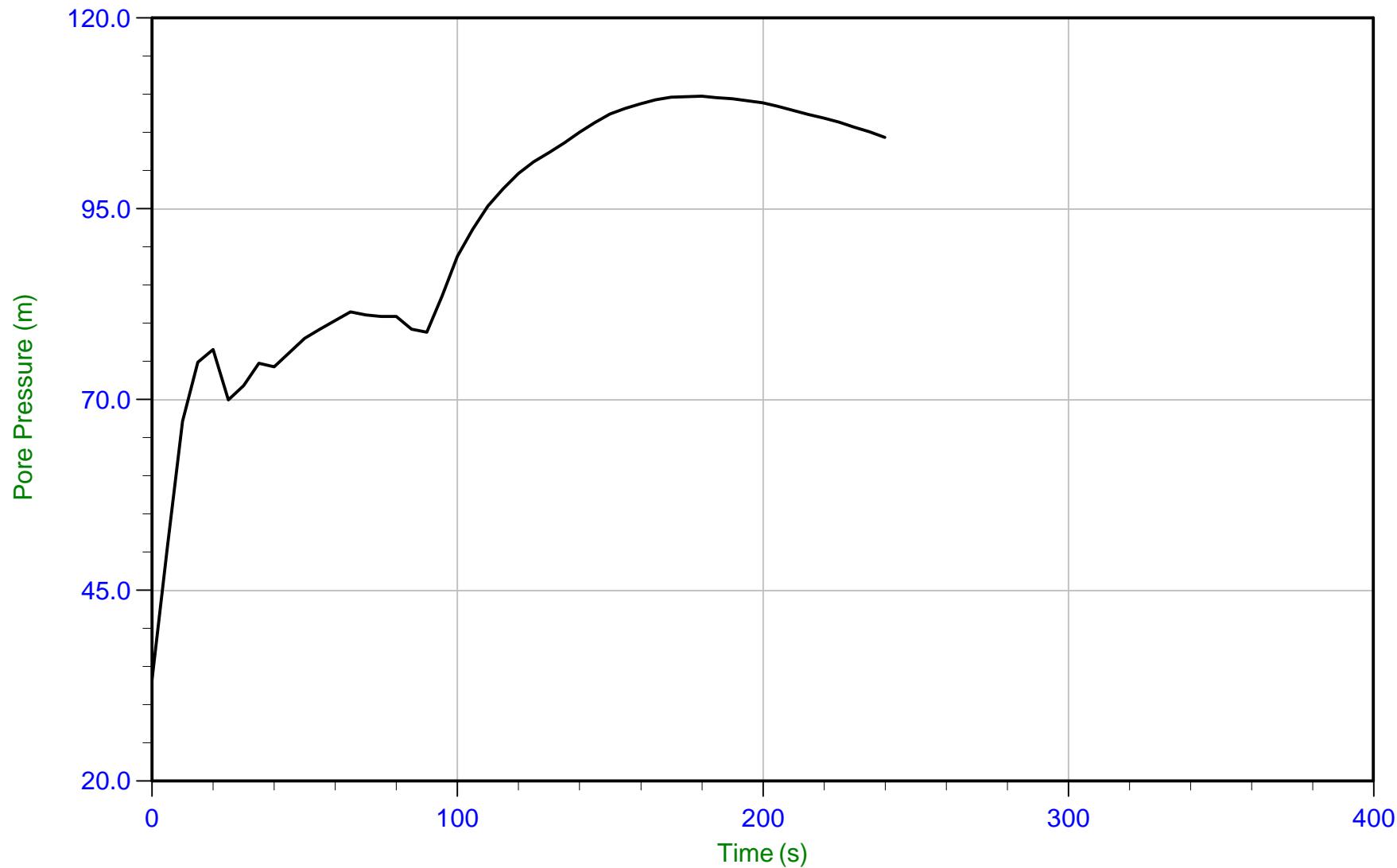
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS07.PPF

Depth: 13.975 m / 45.849 ft

Duration: 240.0 s

U Min: 33.3 m

U Max: 109.8 m

CONETEC

Mount Polley

Job No: 14-02091

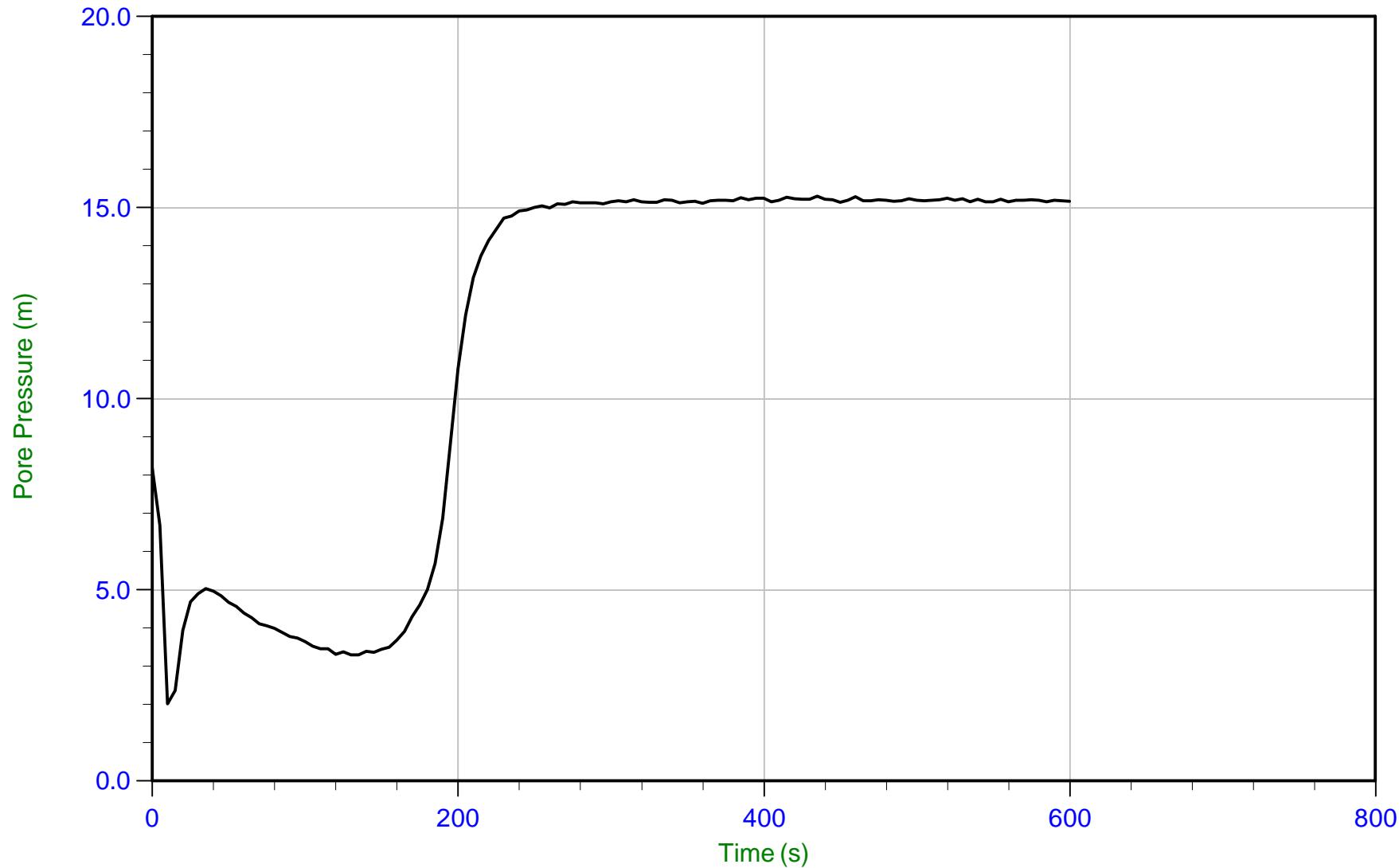
Date: 10/08/2014 13:02

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-07

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

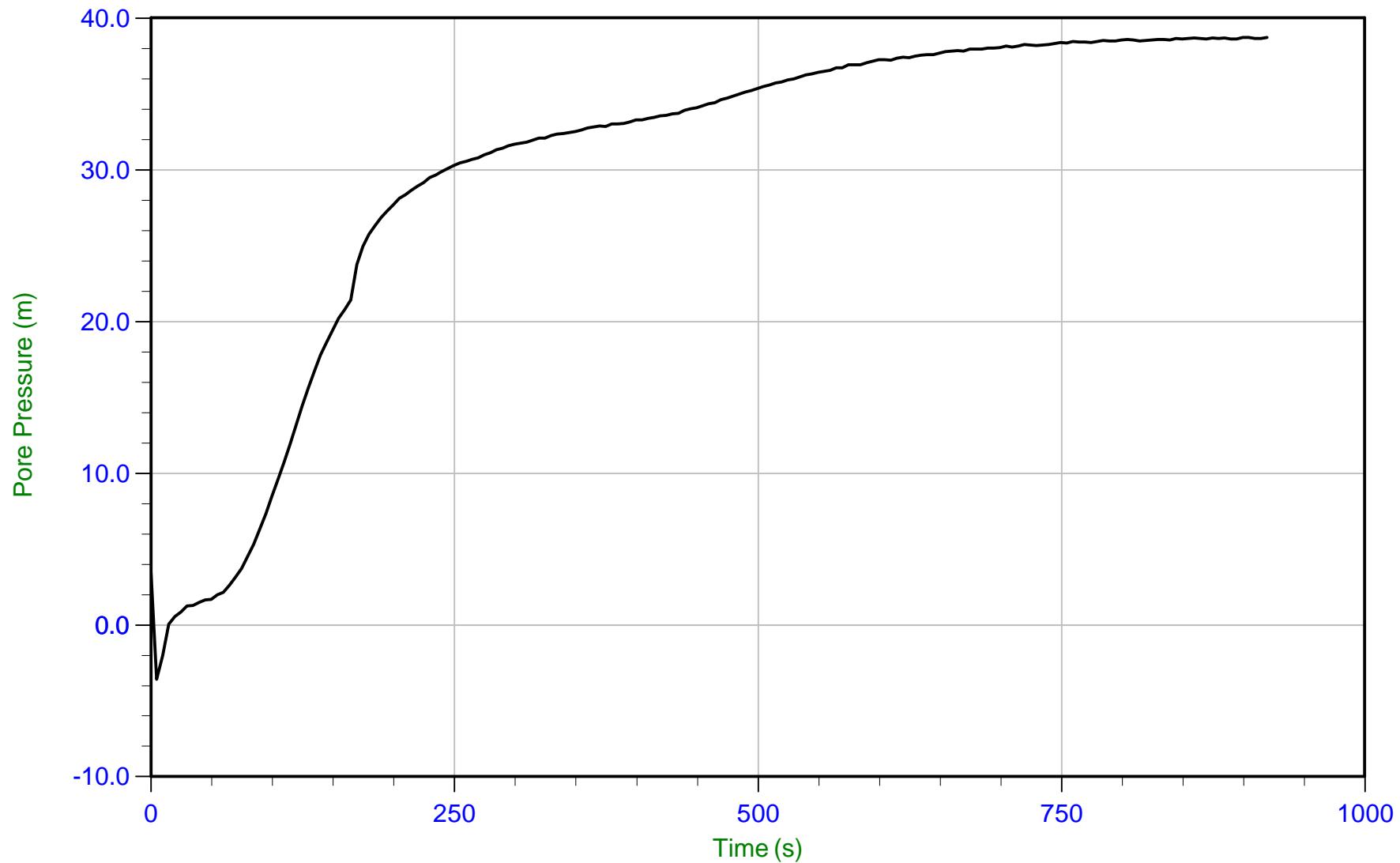
Filename: 14-02091_RS07.PPF

Depth: 14.175 m / 46.505 ft

Duration: 600.0 s

U Min: 2.0 m

U Max: 15.3 m



Trace Summary:

Filename: 14-02091_RS08.PPF

Depth: 21.750 m / 71.357 ft

Duration: 920.0 s

U Min: -3.6 m

U Max: 38.7 m

CONETEC

Mount Polley

Job No: 14-02091

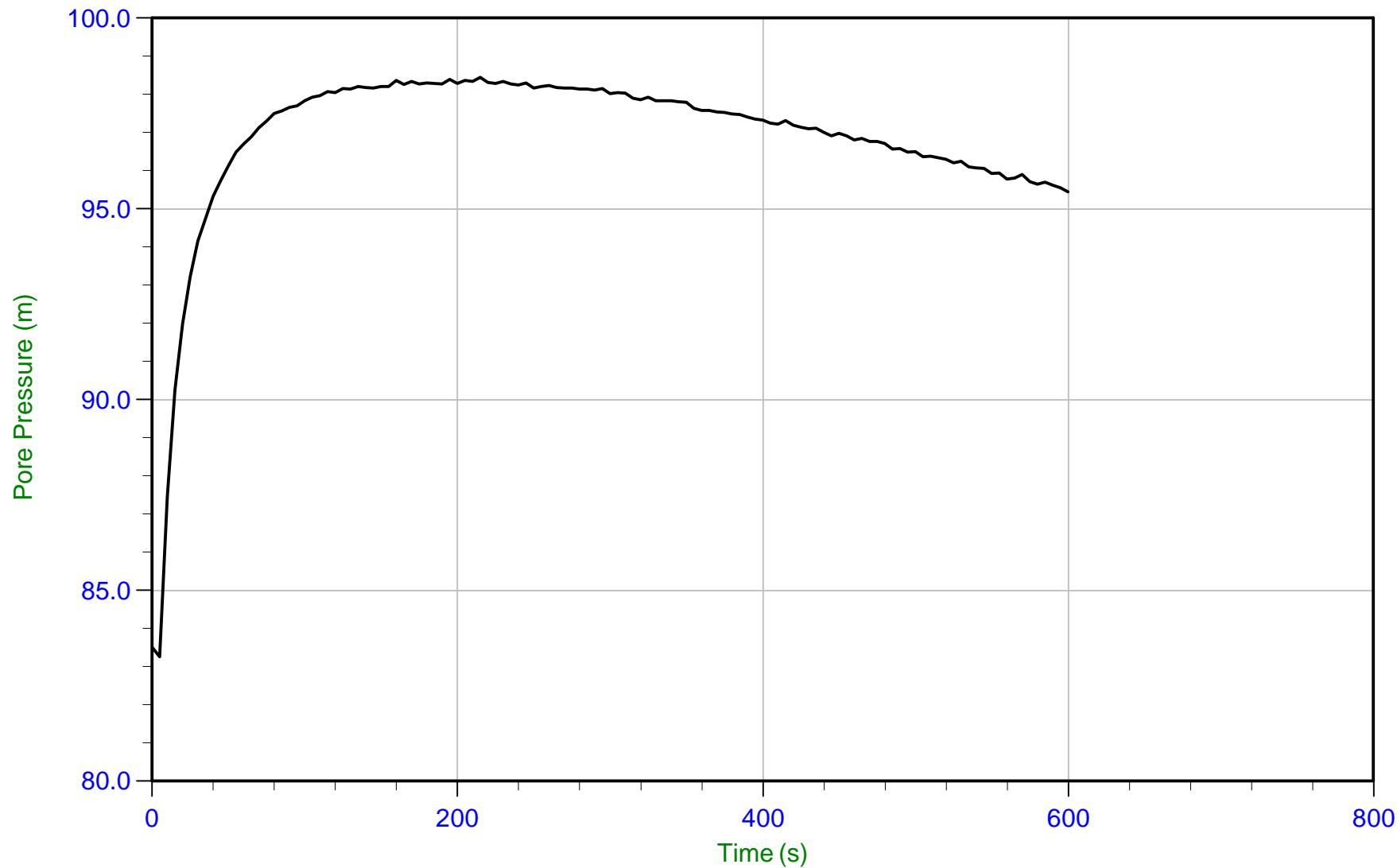
Date: 10/28/2014 13:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-08

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

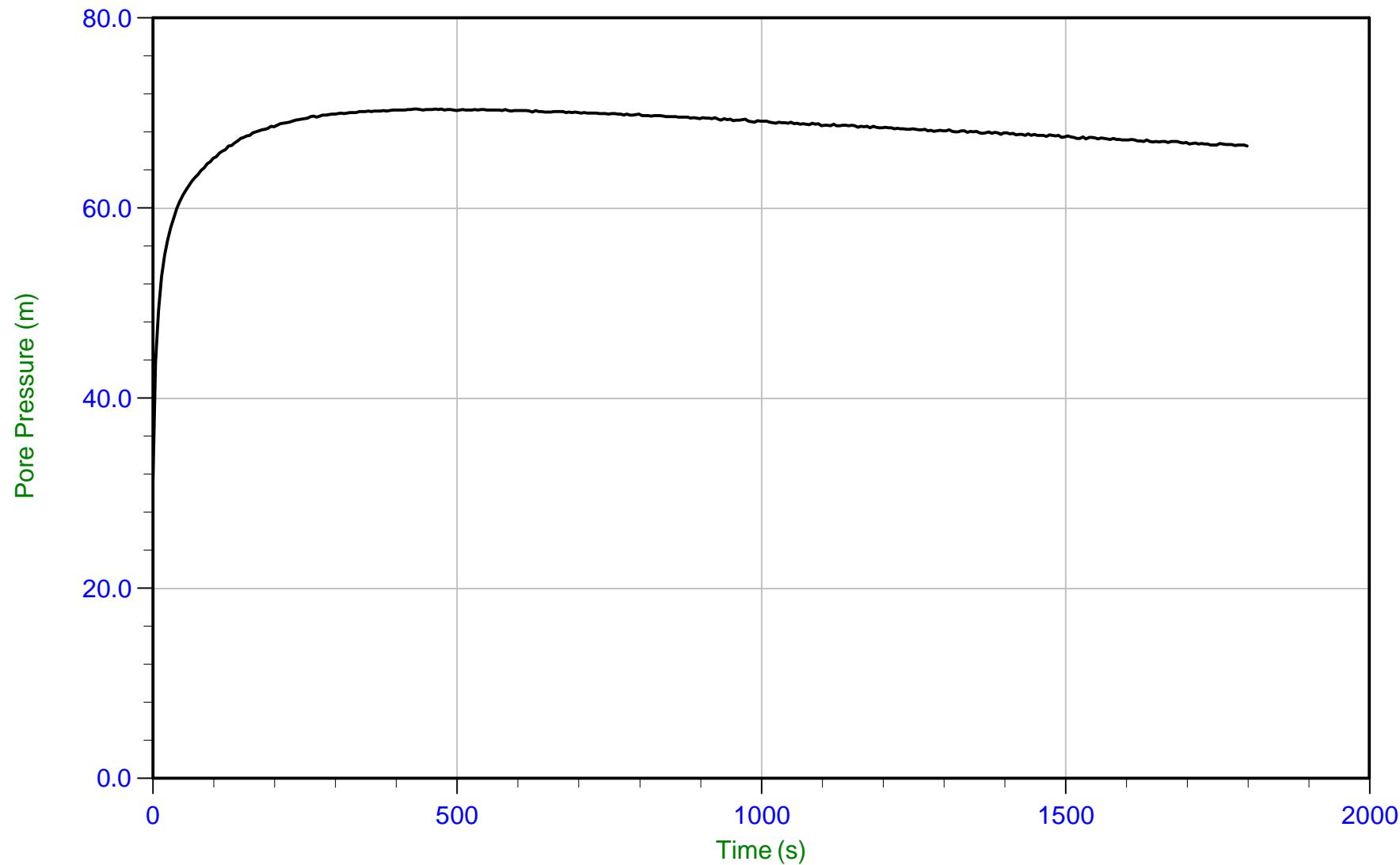
Filename: 14-02091_RS08.PPF

Depth: 22.950 m / 75.294 ft

Duration: 600.0 s

U Min: 83.3 m

U Max: 98.4 m



Trace Summary: Filename: 14-02091_RS08.PPF
Depth: 24.000 m / 78.739 ft U Min: 31.4 m
Duration: 1800.0 s U Max: 70.4 m

CONETEC

Mount Polley

Job No: 14-02091

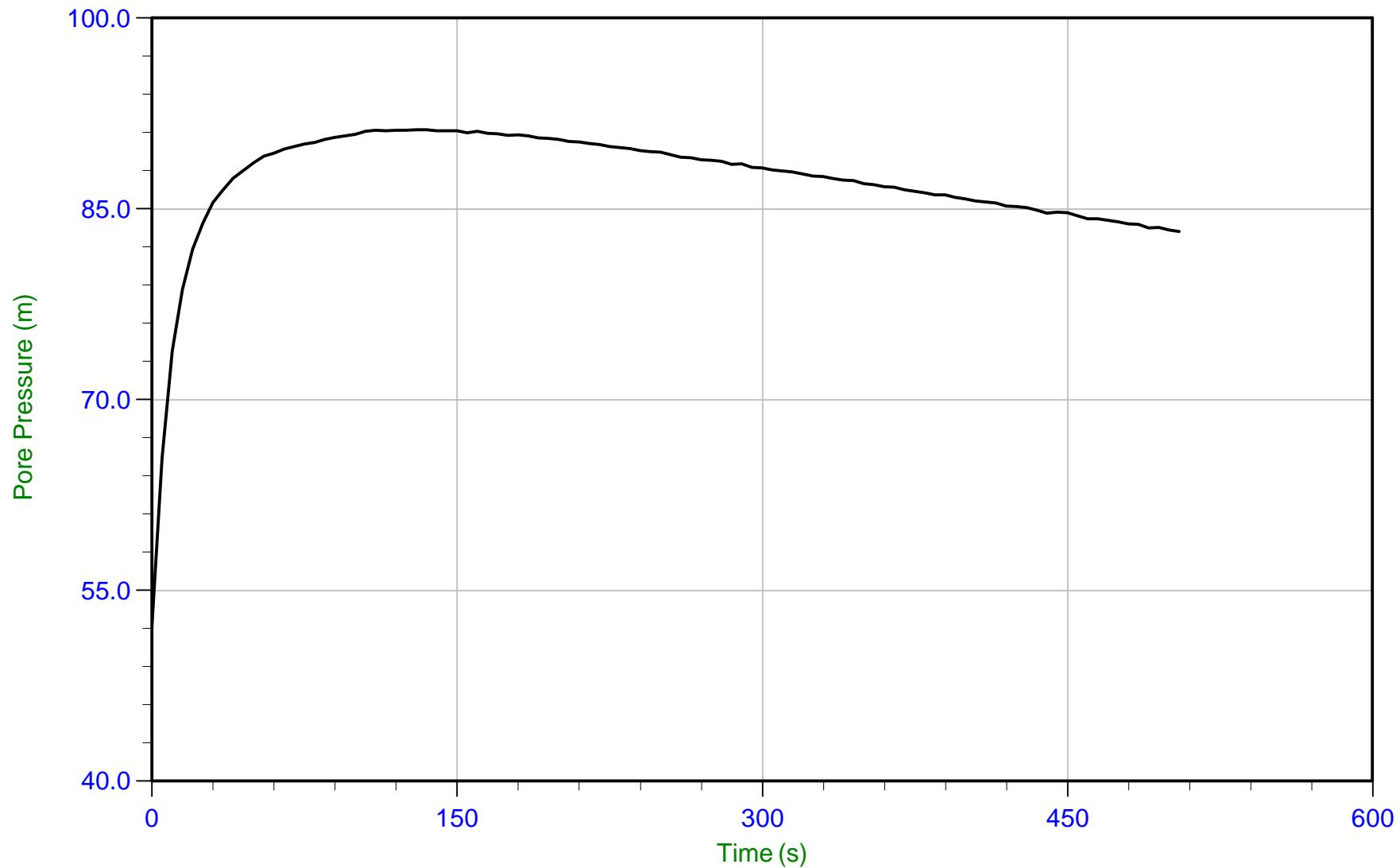
Date: 10/28/2014 13:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-08

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS08.PPF

Depth: 25.025 m / 82.102 ft

Duration: 505.0 s

U Min: 52.2 m

U Max: 91.2 m

CONETEC

Mount Polley

Job No: 14-02091

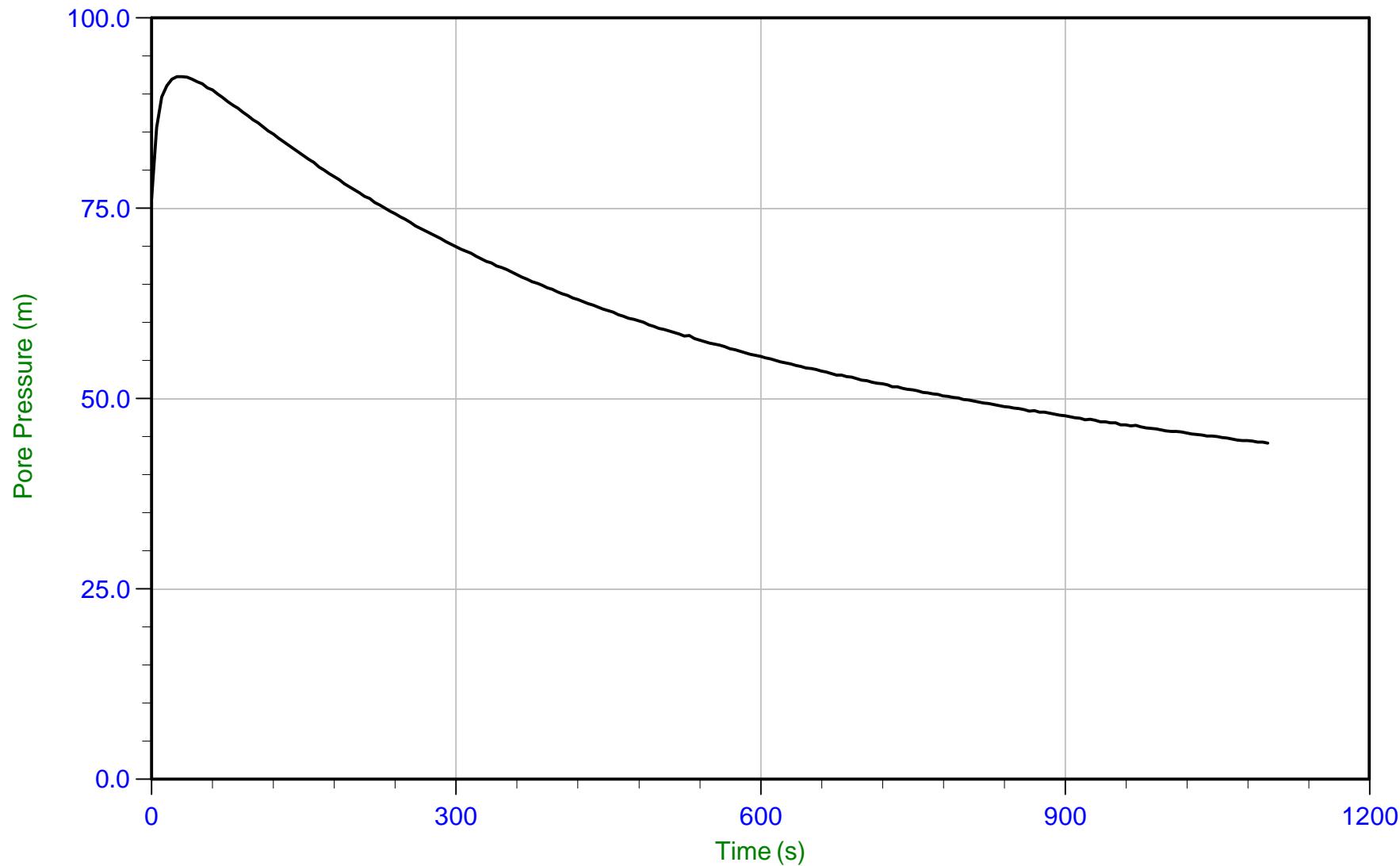
Date: 10/28/2014 13:00

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-08

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS08.PPF

Depth: 27.025 m / 88.664 ft

Duration: 1100.0 s

U Min: 44.2 m

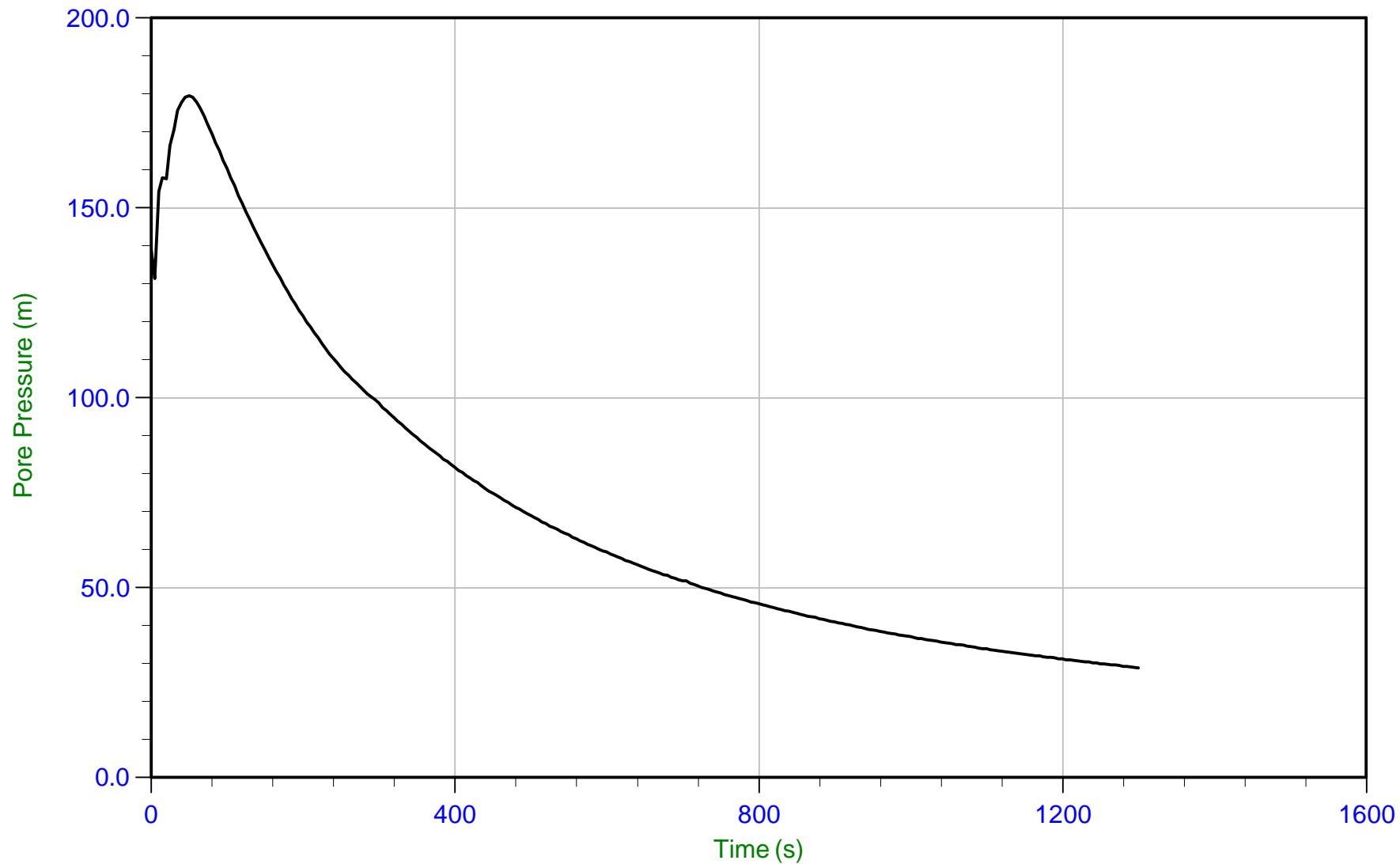
U Max: 92.3 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/28/2014 13:00
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-08
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS08.PPF
Depth: 28.875 m / 94.733 ft U Min: 28.9 m
Duration: 1300.0 s U Max: 179.6 m

CONETEC

Mount Polley

Job No: 14-02091

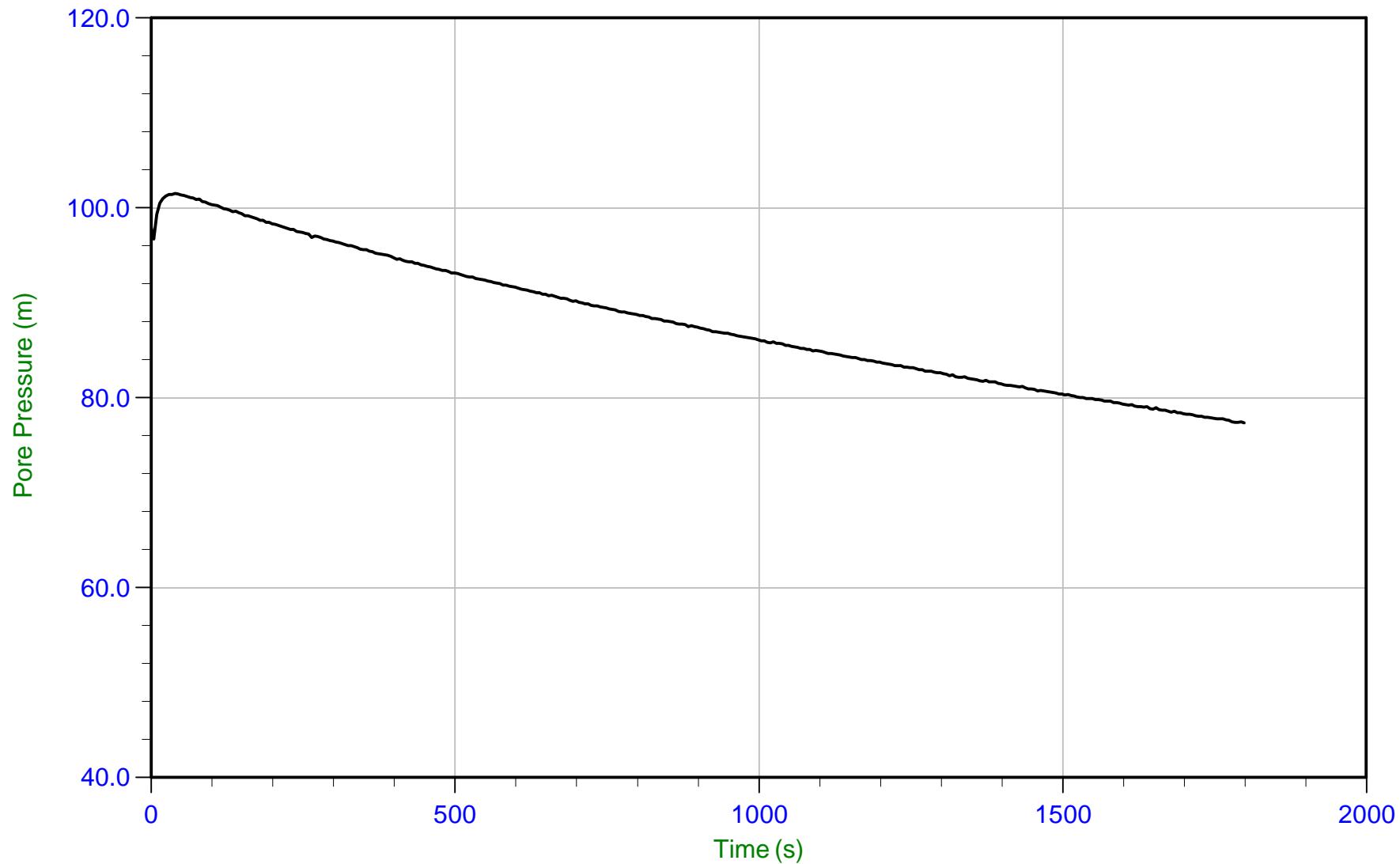
Date: 10/16/2014 08:16

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS10.PPF

Depth: 10.025 m / 32.890 ft

Duration: 1800.0 s

U Min: 77.3 m

U Max: 101.5 m

CONETEC

Mount Polley

Job No: 14-02091

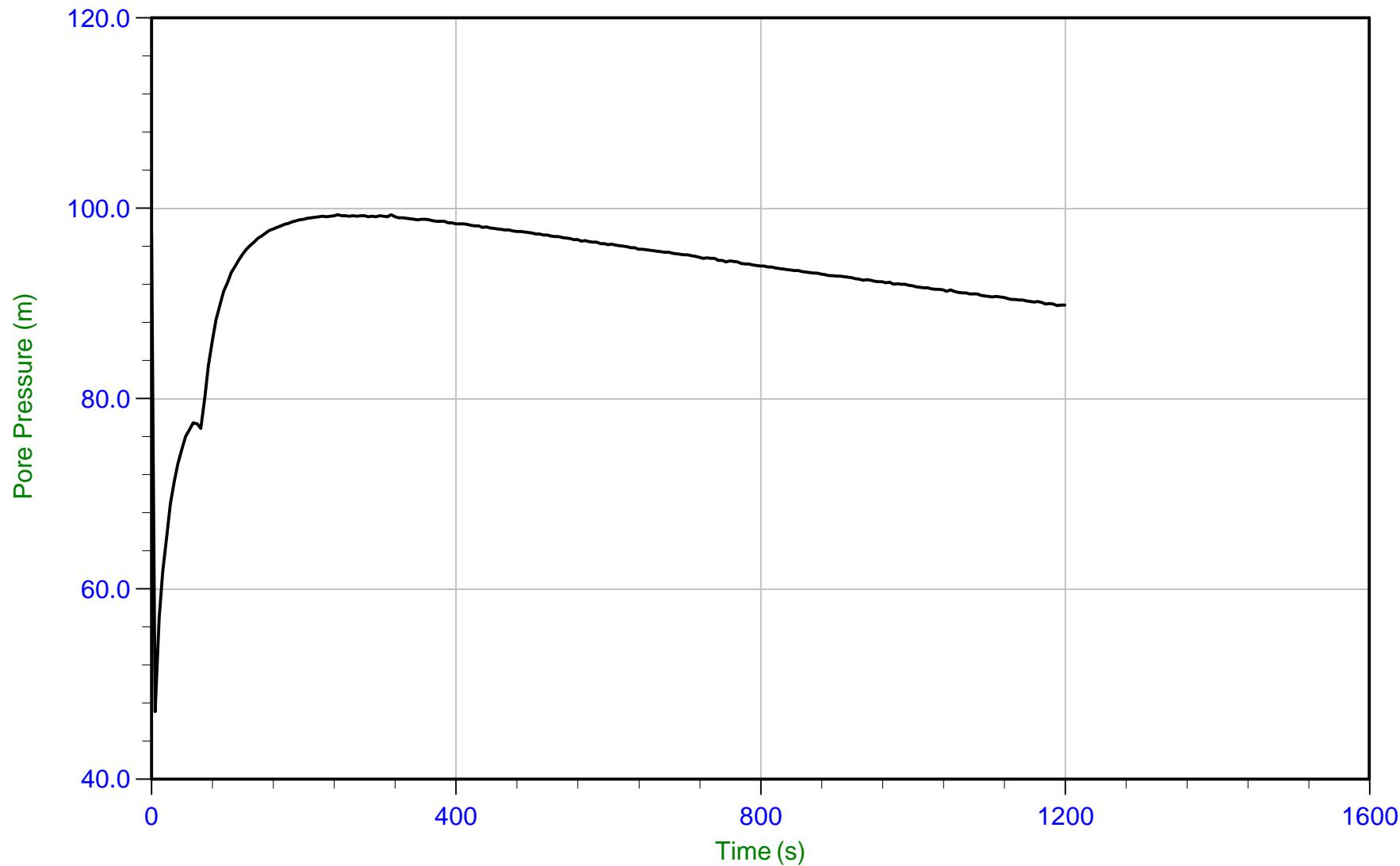
Date: 10/16/2014 08:16

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS10.PPF

Depth: 10.975 m / 36.007 ft

Duration: 1200.0 s

U Min: 47.1 m

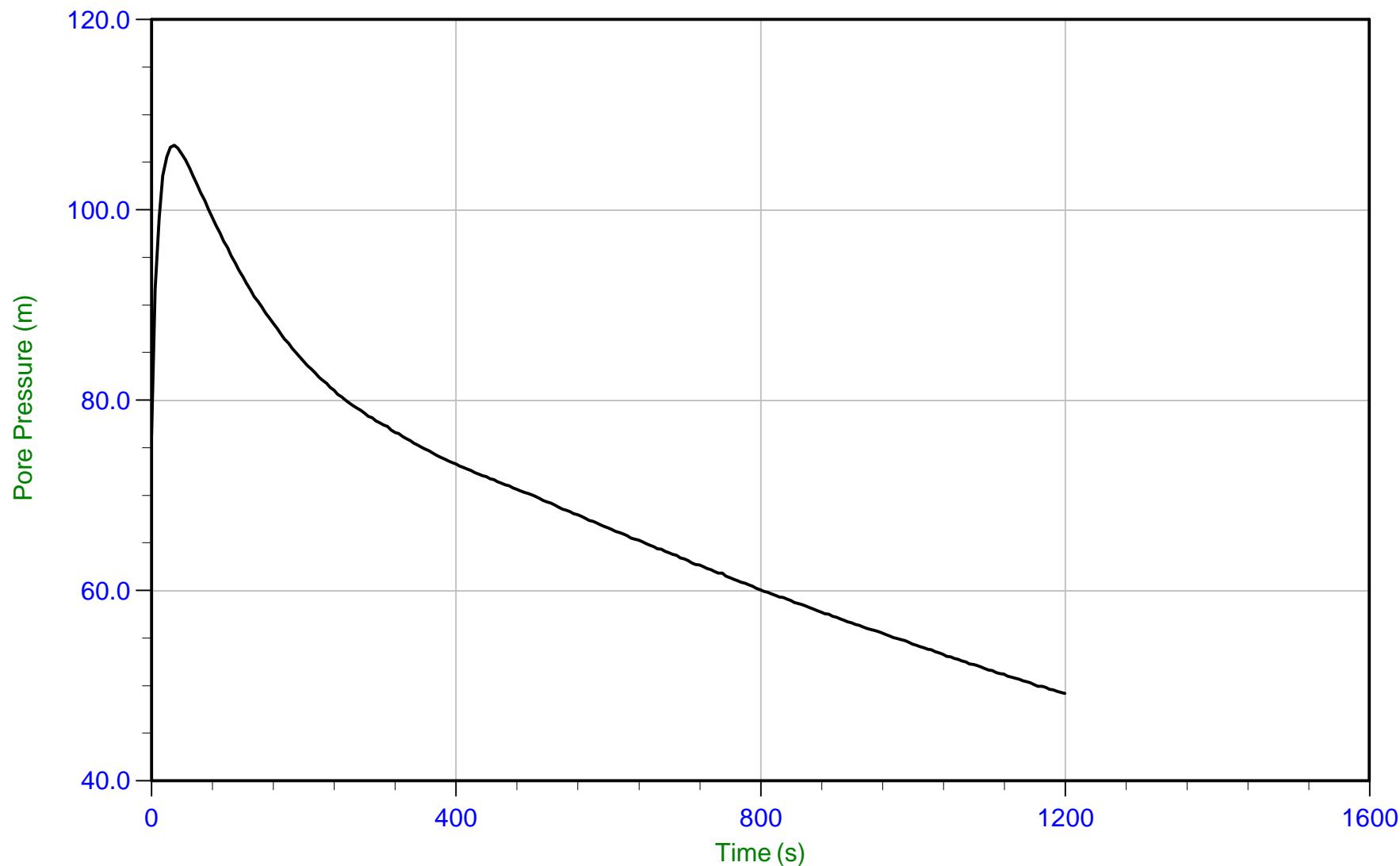
U Max: 99.3 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/16/2014 08:16
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS10.PPF
Depth: 11.375 m / 37.319 ft U Min: 49.2 m
Duration: 1200.0 s U Max: 106.8 m

CONETEC

Mount Polley

Job No: 14-02091

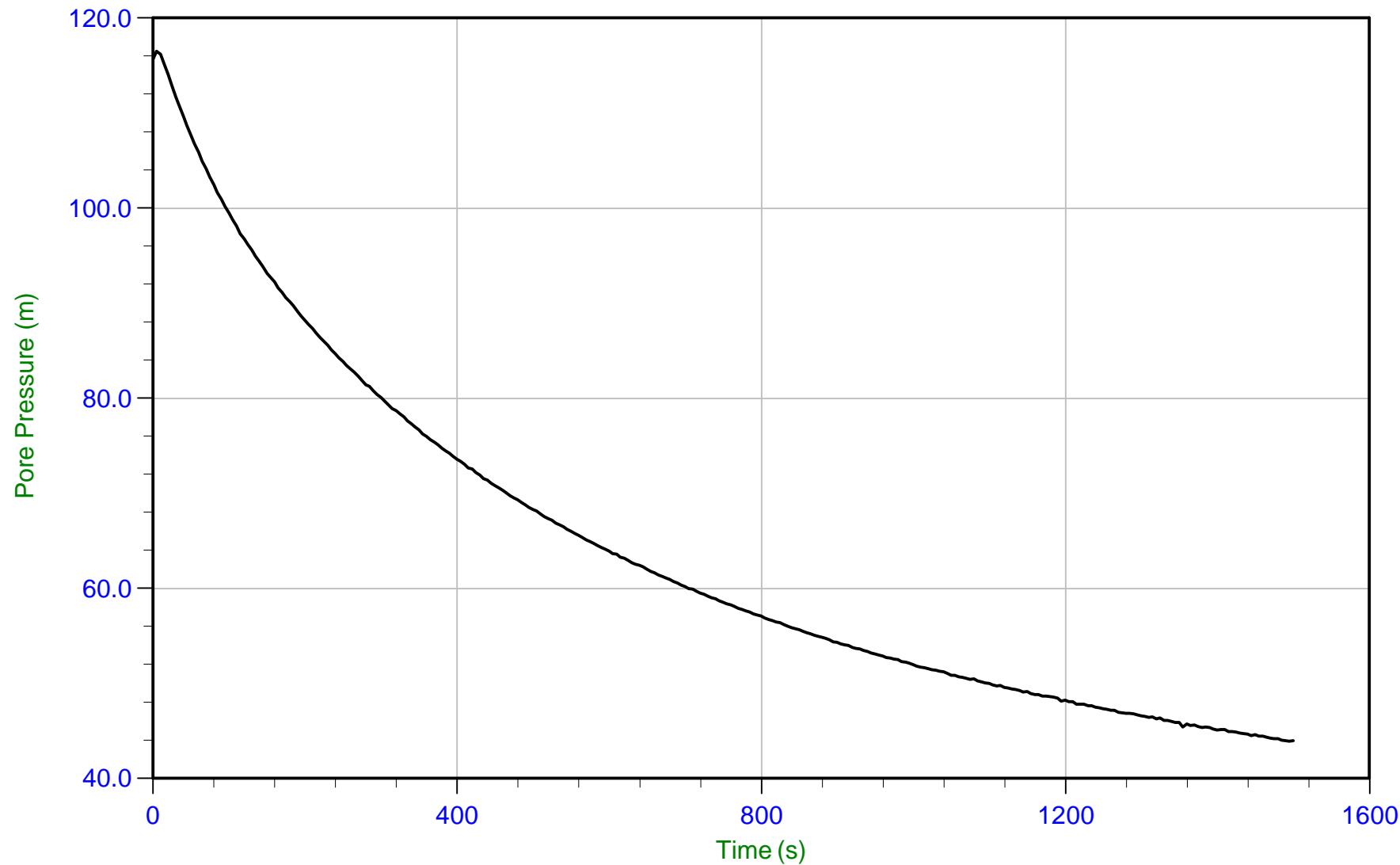
Date: 10/16/2014 08:16

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

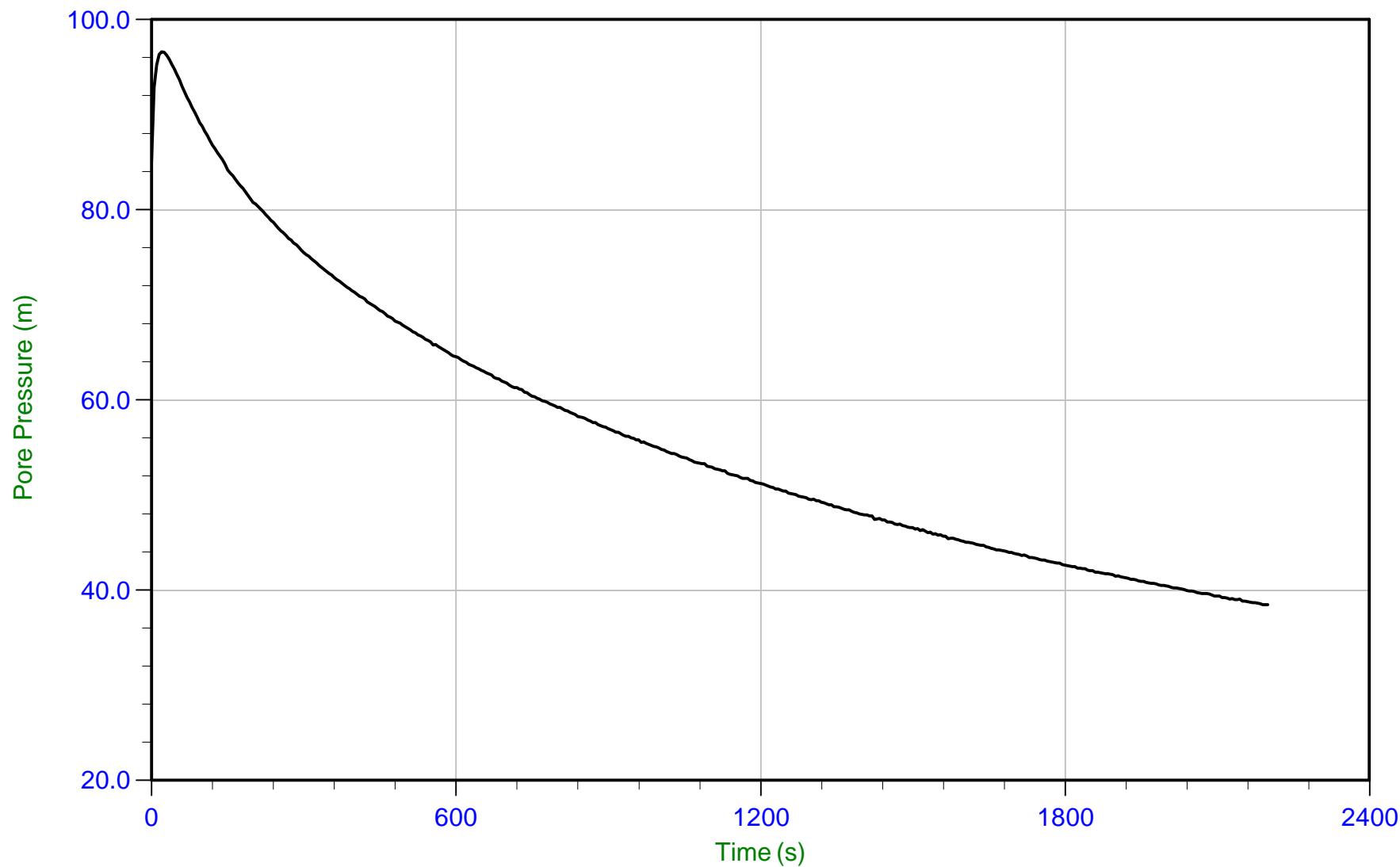
Filename: 14-02091_RS10.PPF

Depth: 11.750 m / 38.549 ft

Duration: 1500.0 s

U Min: 43.9 m

U Max: 116.5 m



Trace Summary: Filename: 14-02091_RS10.PPF
Depth: 12.200 m / 40.026 ft U Min: 38.5 m
Duration: 2200.0 s U Max: 96.6 m

CONETEC

Mount Polley

Job No: 14-02091

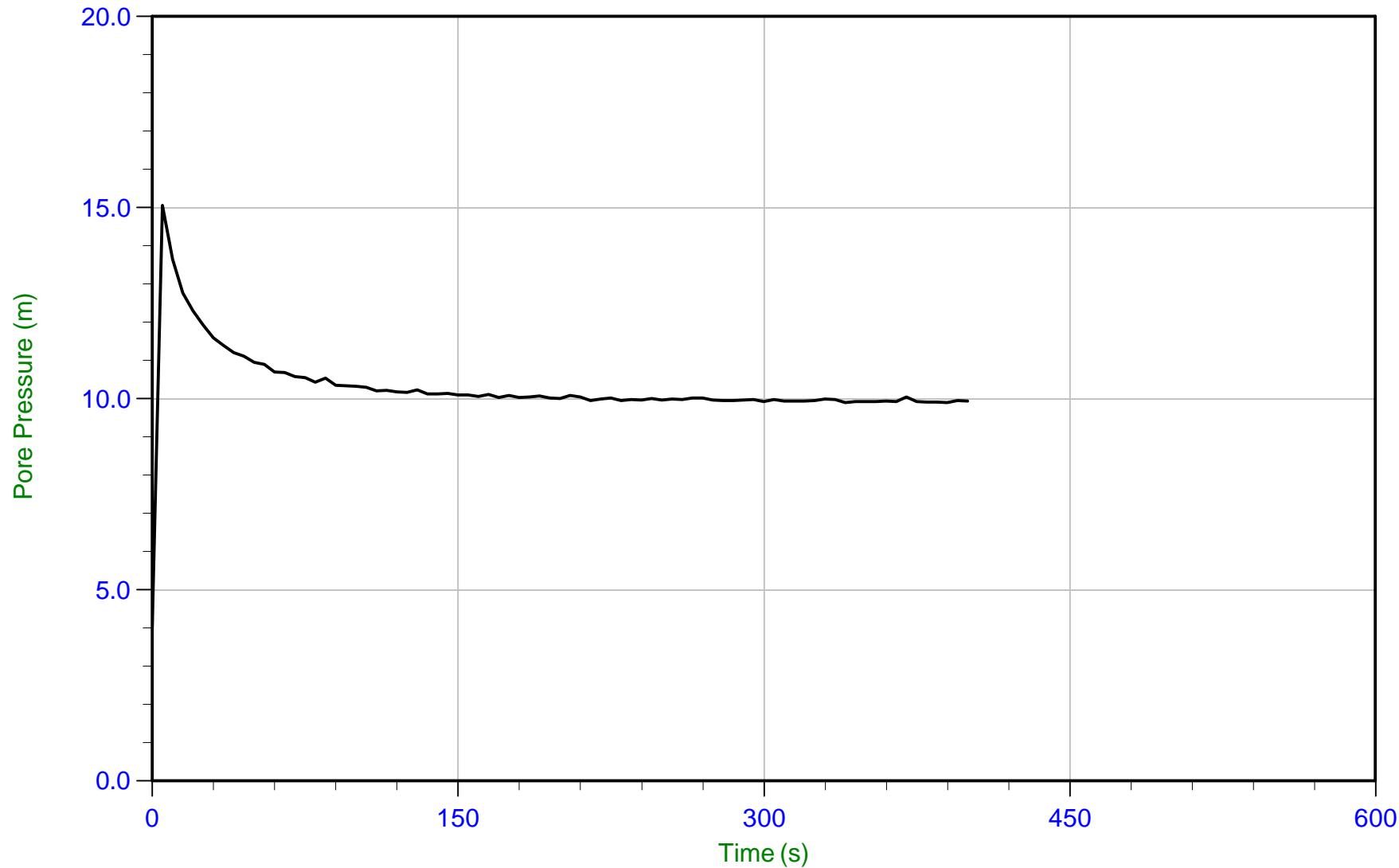
Date: 10/16/2014 08:16

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS10.PPF

Depth: 12.475 m / 40.928 ft

Duration: 400.0 s

U Min: 4.0 m

U Max: 15.1 m

CONETEC

Mount Polley

Job No: 14-02091

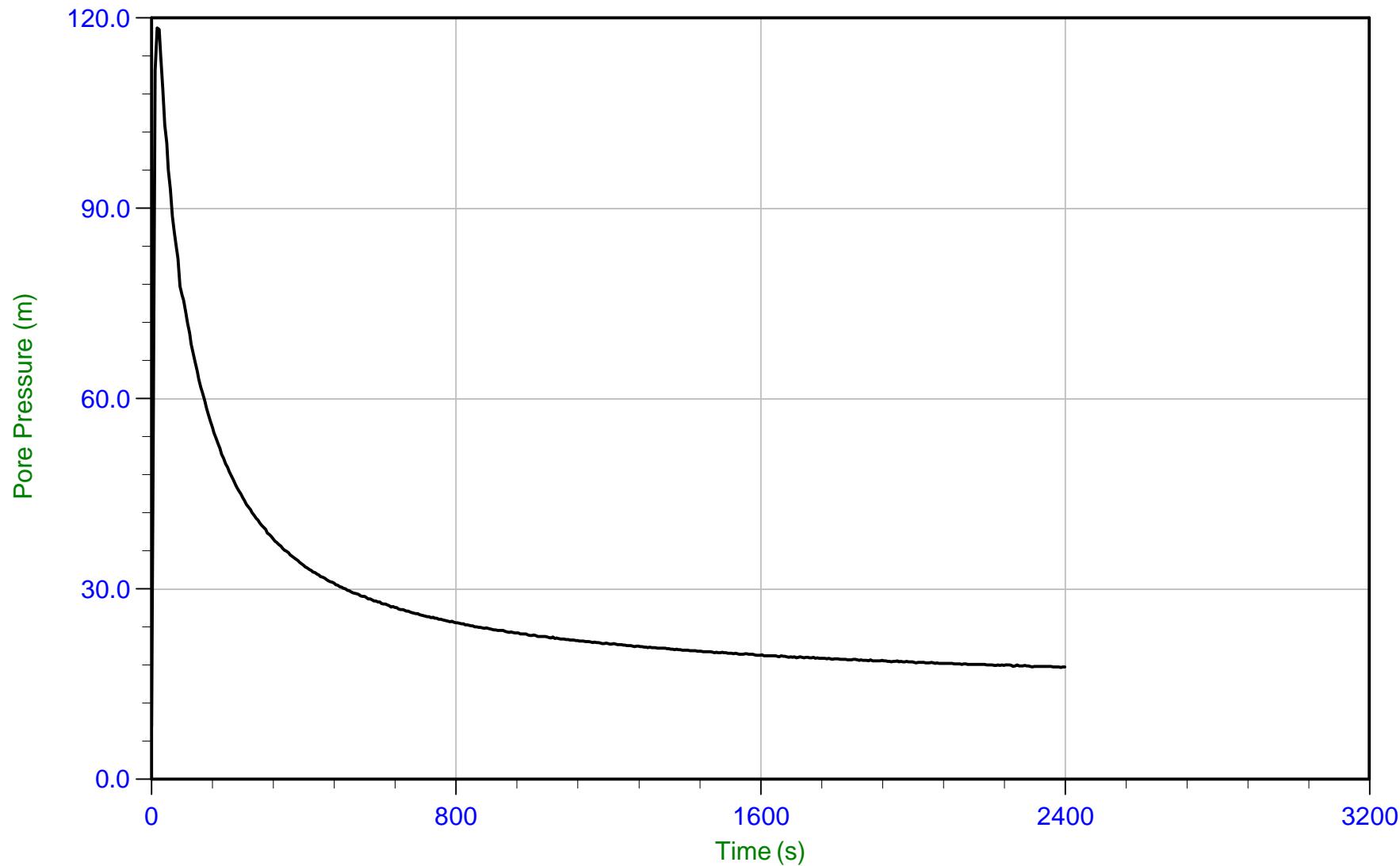
Date: 10/16/2014 08:16

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-10

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

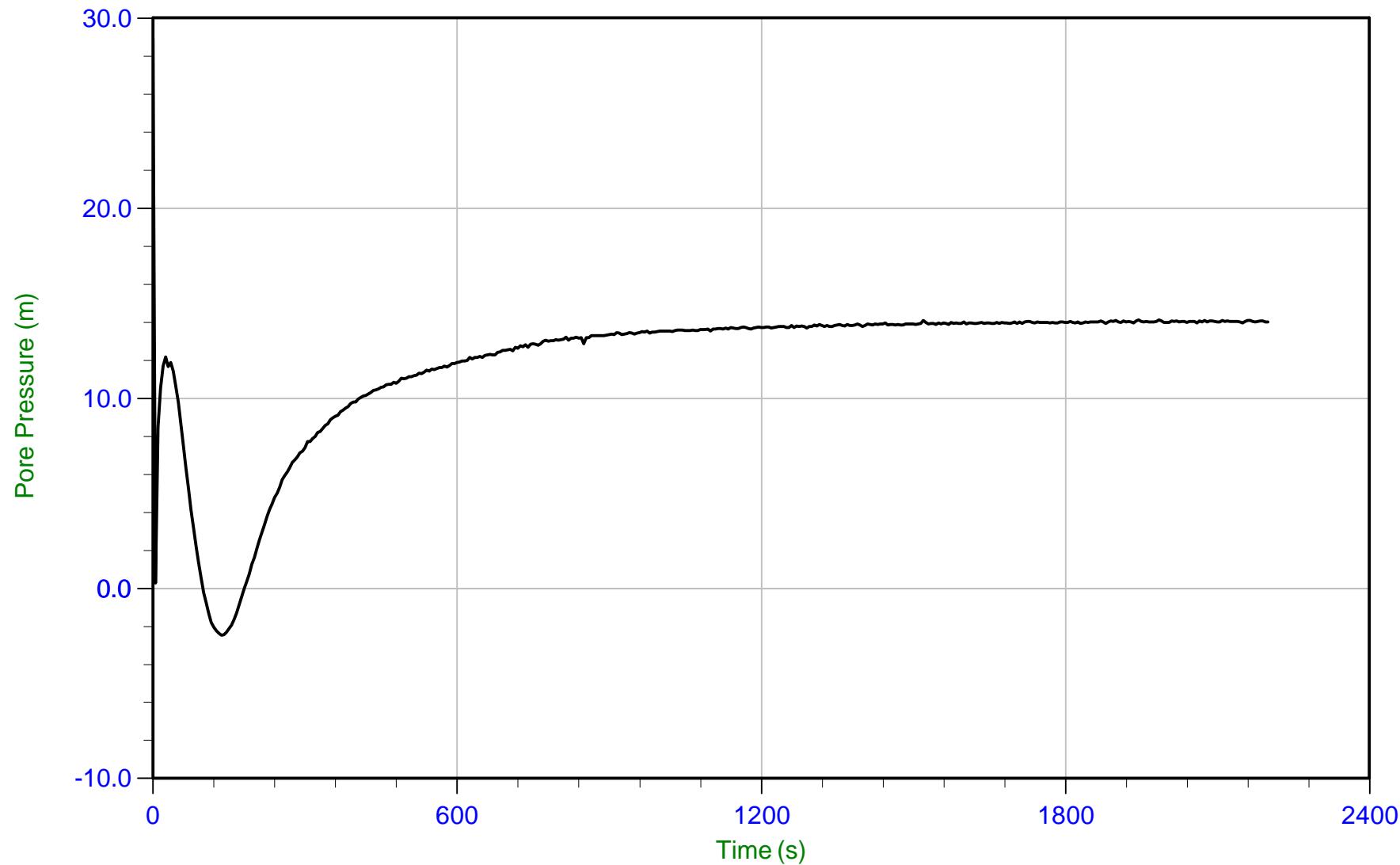
Filename: 14-02091_RS10.PPF

Depth: 15.800 m / 51.837 ft

Duration: 2400.0 s

U Min: 8.3 m

U Max: 118.5 m



Trace Summary: Filename: 14-02091_RS10.PPF
Depth: 16.200 m / 53.149 ft U Min: -2.5 m
Duration: 2200.0 s U Max: 28.9 m

CONETEC

Mount Polley

Job No: 14-02091

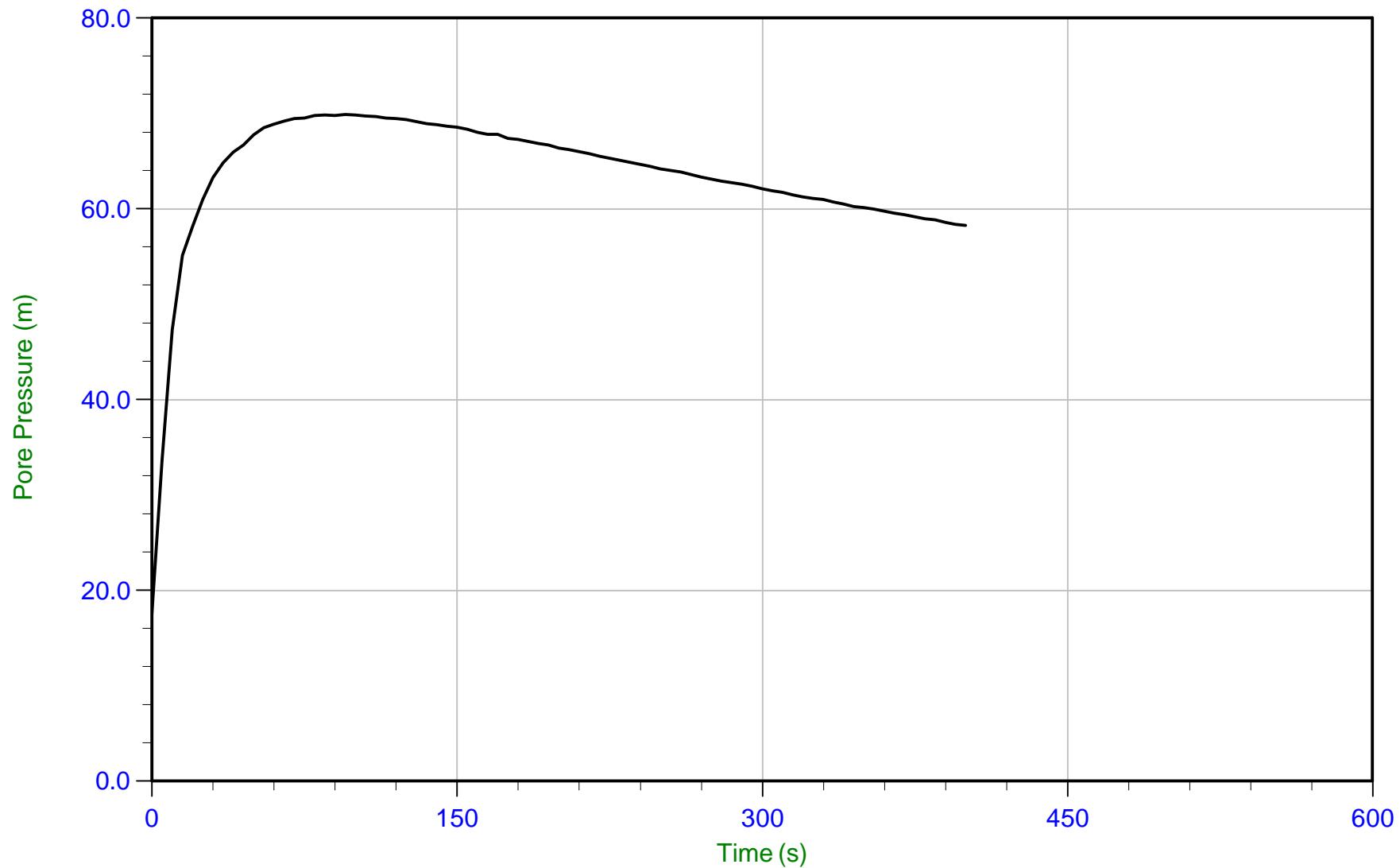
Date: 10/15/2014 13:36

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-11

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS11.PPF

Depth: 10.625 m / 34.858 ft

Duration: 400.0 s

U Min: 17.6 m

U Max: 69.9 m

CONETEC

Mount Polley

Job No: 14-02091

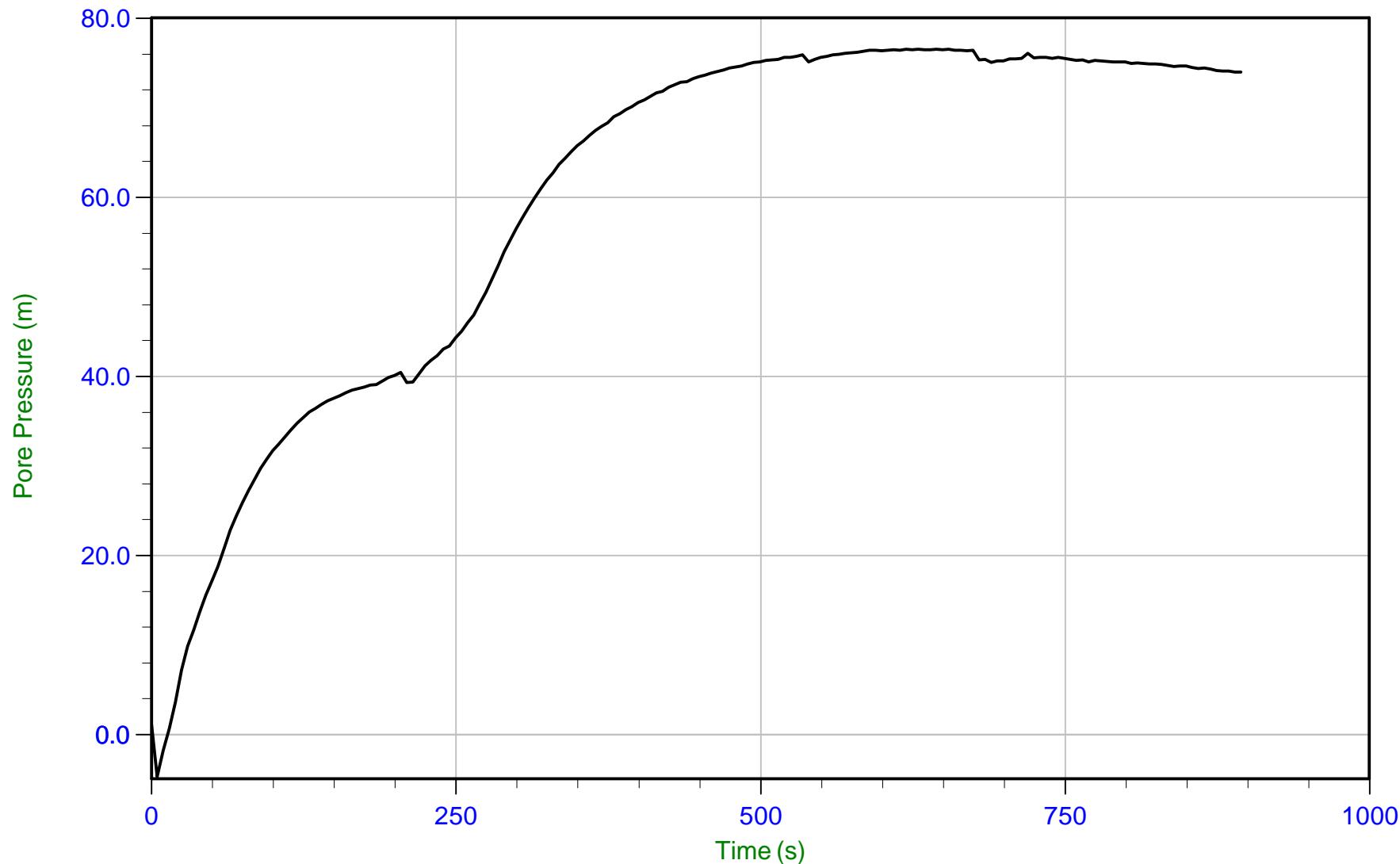
Date: 10/31/2014 09:22

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-13

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS13.PPF

Depth: 6.975 m / 22.884 ft

Duration: 895.0 s

U Min: -4.8 m

U Max: 76.5 m

CONETEC

Mount Polley

Job No: 14-02091

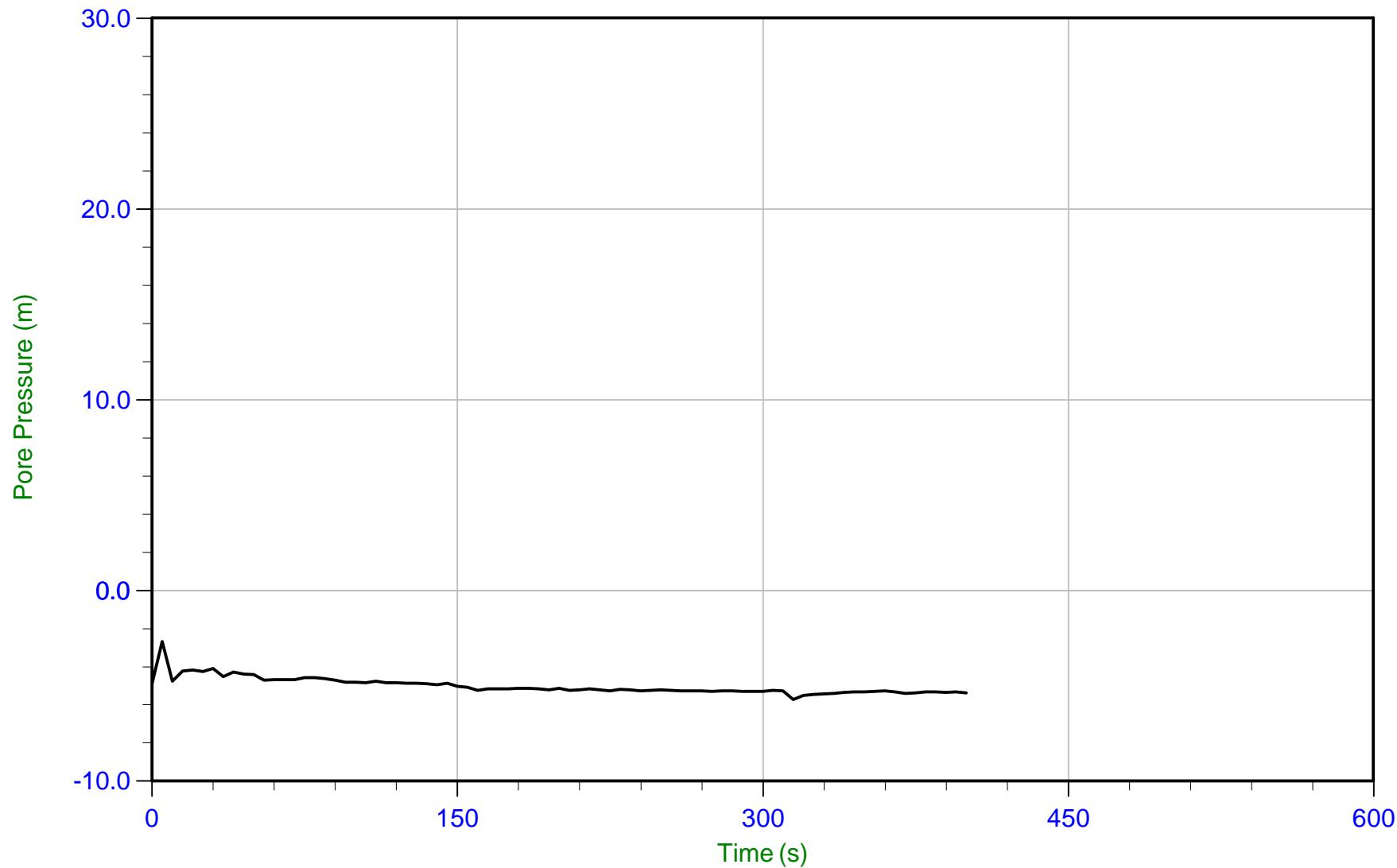
Date: 10/31/2014 09:22

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-13

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS13.PPF

Depth: 10.900 m / 35.761 ft

Duration: 400.0 s

U Min: -5.7 m

U Max: -2.7 m

CONETEC

Mount Polley

Job No: 14-02091

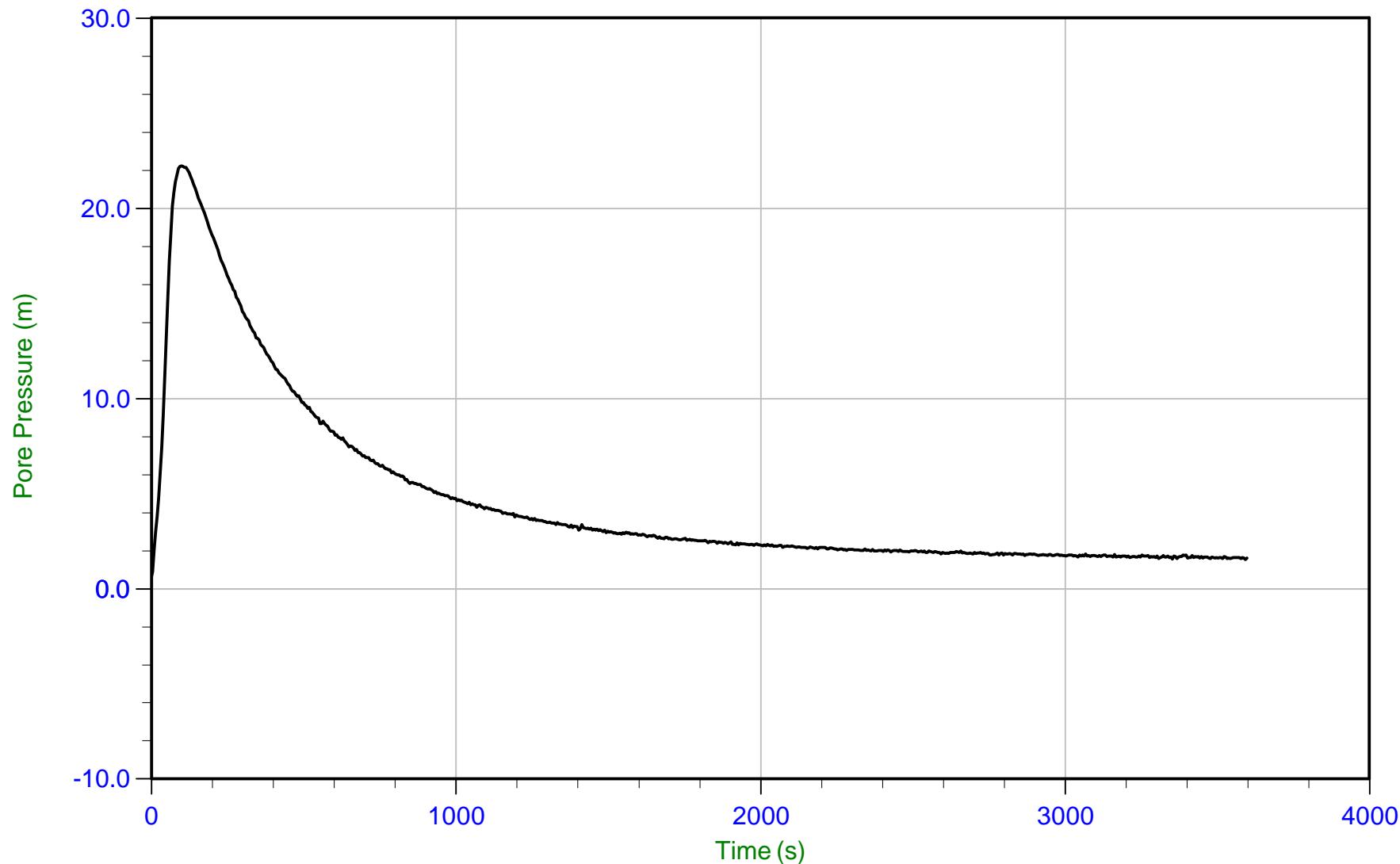
Date: 10/31/2014 09:22

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-13

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS13.PPF

Depth: 19.450 m / 63.812 ft

Duration: 3600.0 s

U Min: 0.7 m

U Max: 22.2 m

CONETEC

Mount Polley

Job No: 14-02091

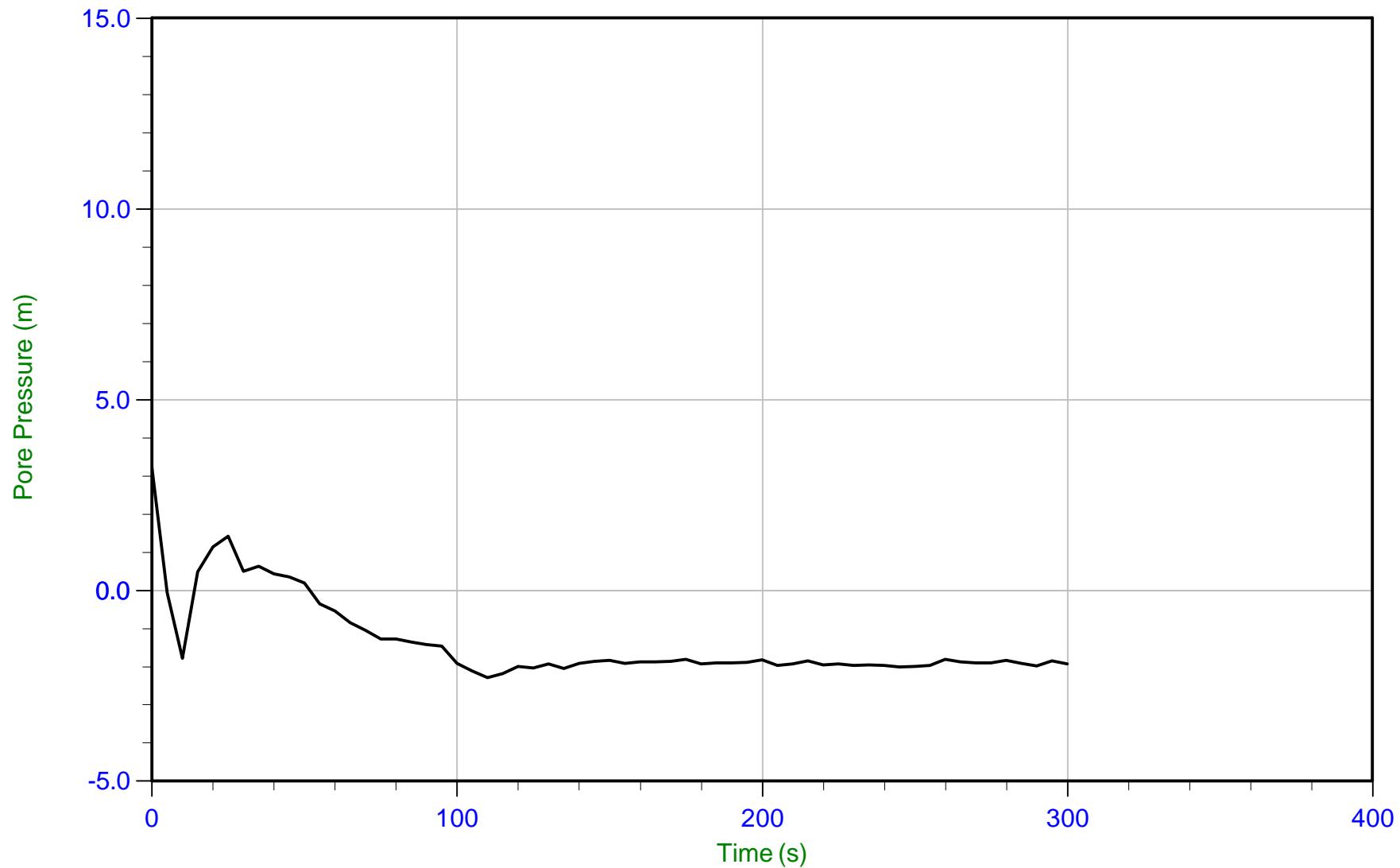
Date: 10/31/2014 09:22

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-13

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS13.PPF

Depth: 22.925 m / 75.212 ft

Duration: 300.0 s

U Min: -2.3 m

U Max: 3.2 m

CONETEC

Mount Polley

Job No: 14-02091

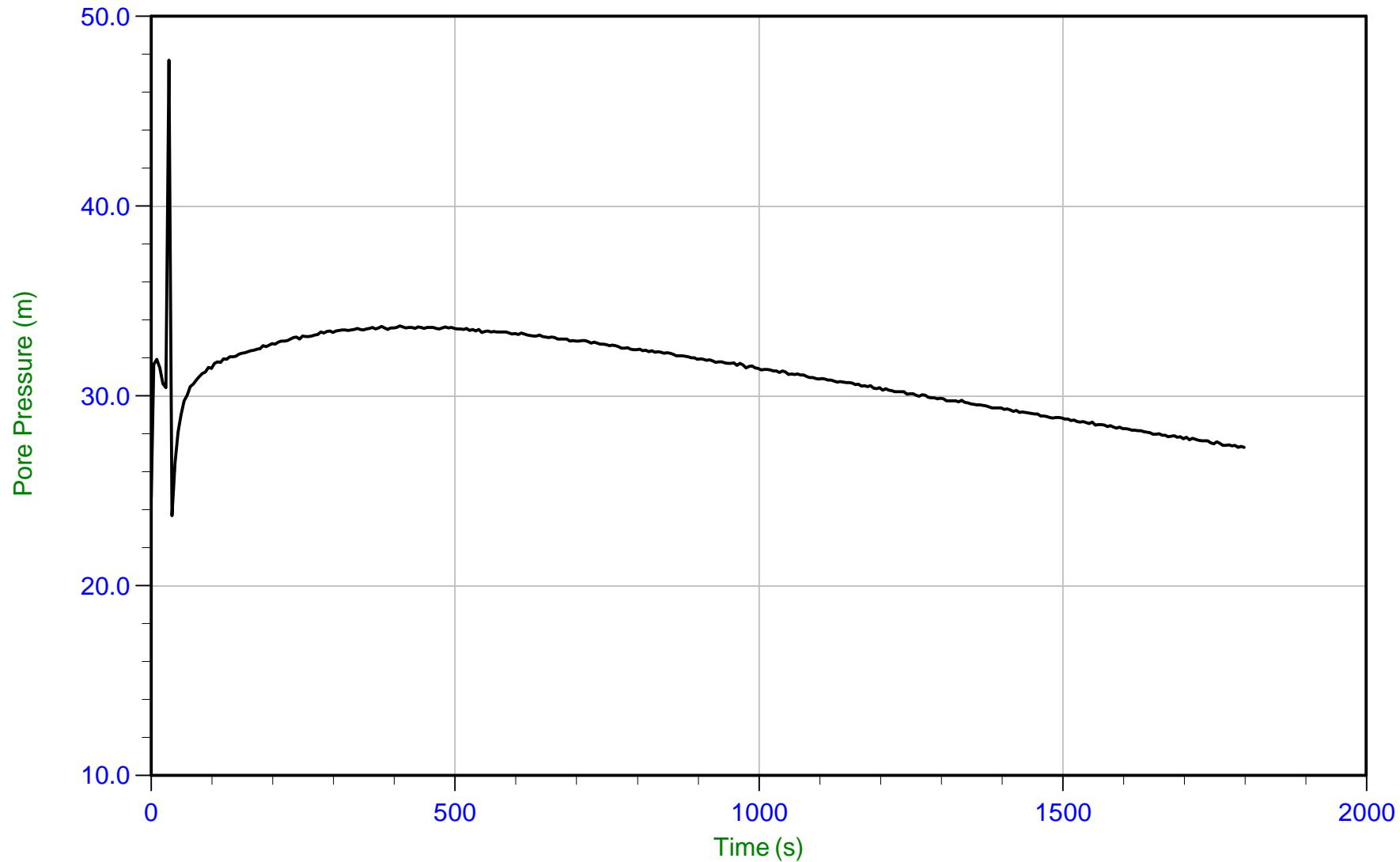
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

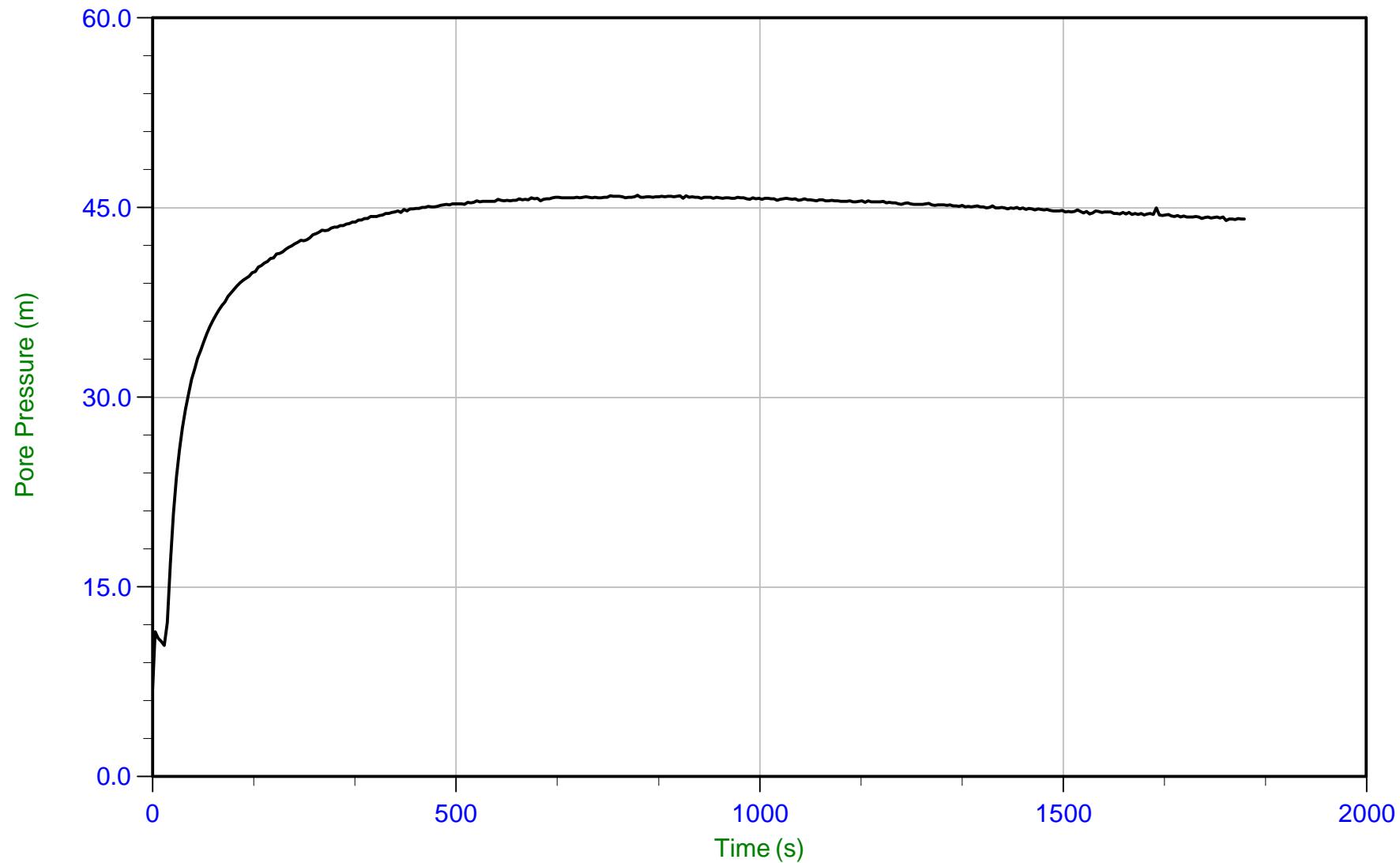
Filename: 14-02091_RS14.PPF

Depth: 3.950 m / 12.959 ft

Duration: 1800.0 s

U Min: 23.7 m

U Max: 47.7 m



Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 6.000 m / 19.685 ft U Min: 7.0 m
Duration: 1800.0 s U Max: 46.0 m

CONETEC

Mount Polley

Job No: 14-02091

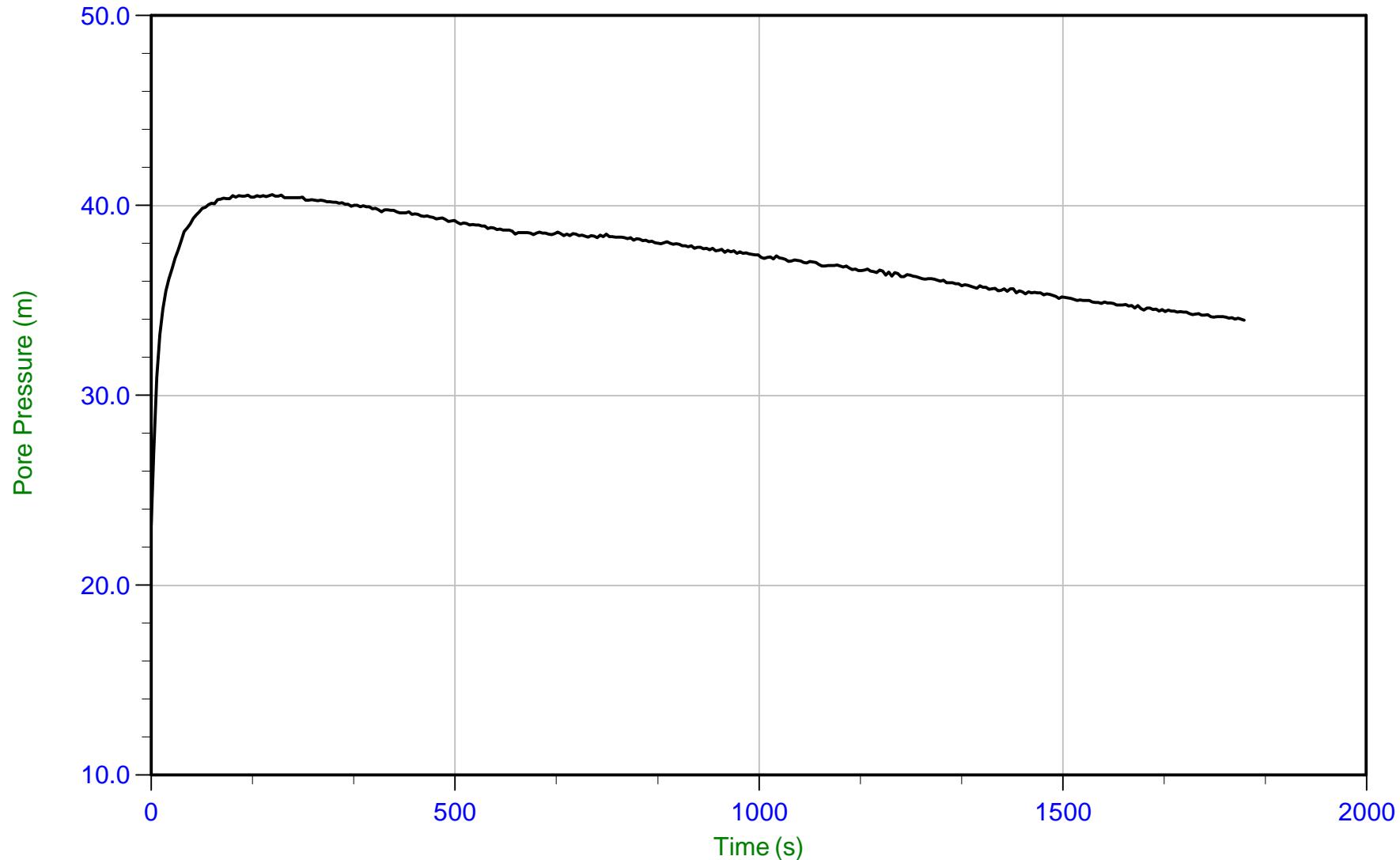
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS14.PPF

Depth: 8.025 m / 26.328 ft

Duration: 1800.0 s

U Min: 23.2 m

U Max: 40.6 m

CONETEC

Mount Polley

Job No: 14-02091

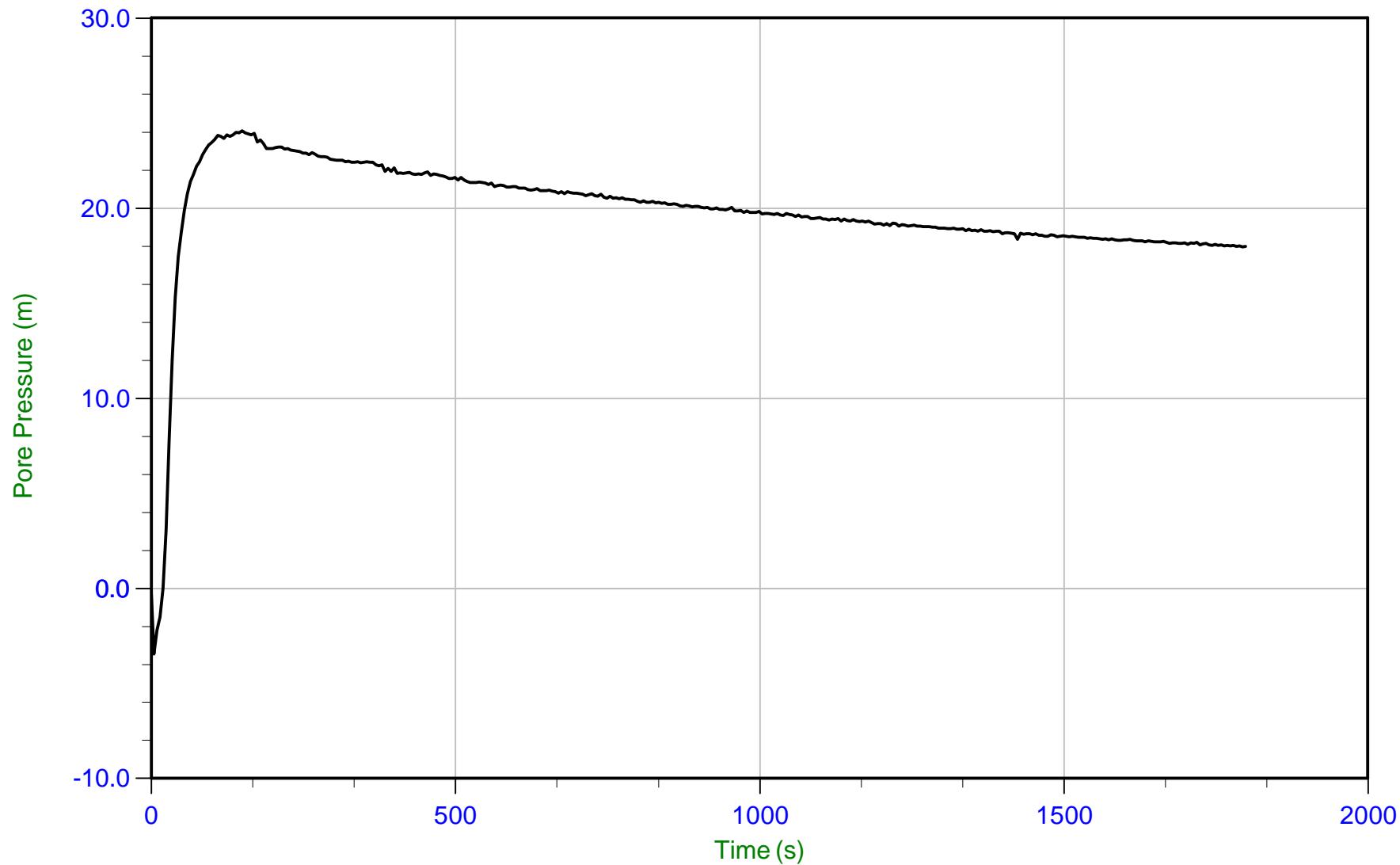
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

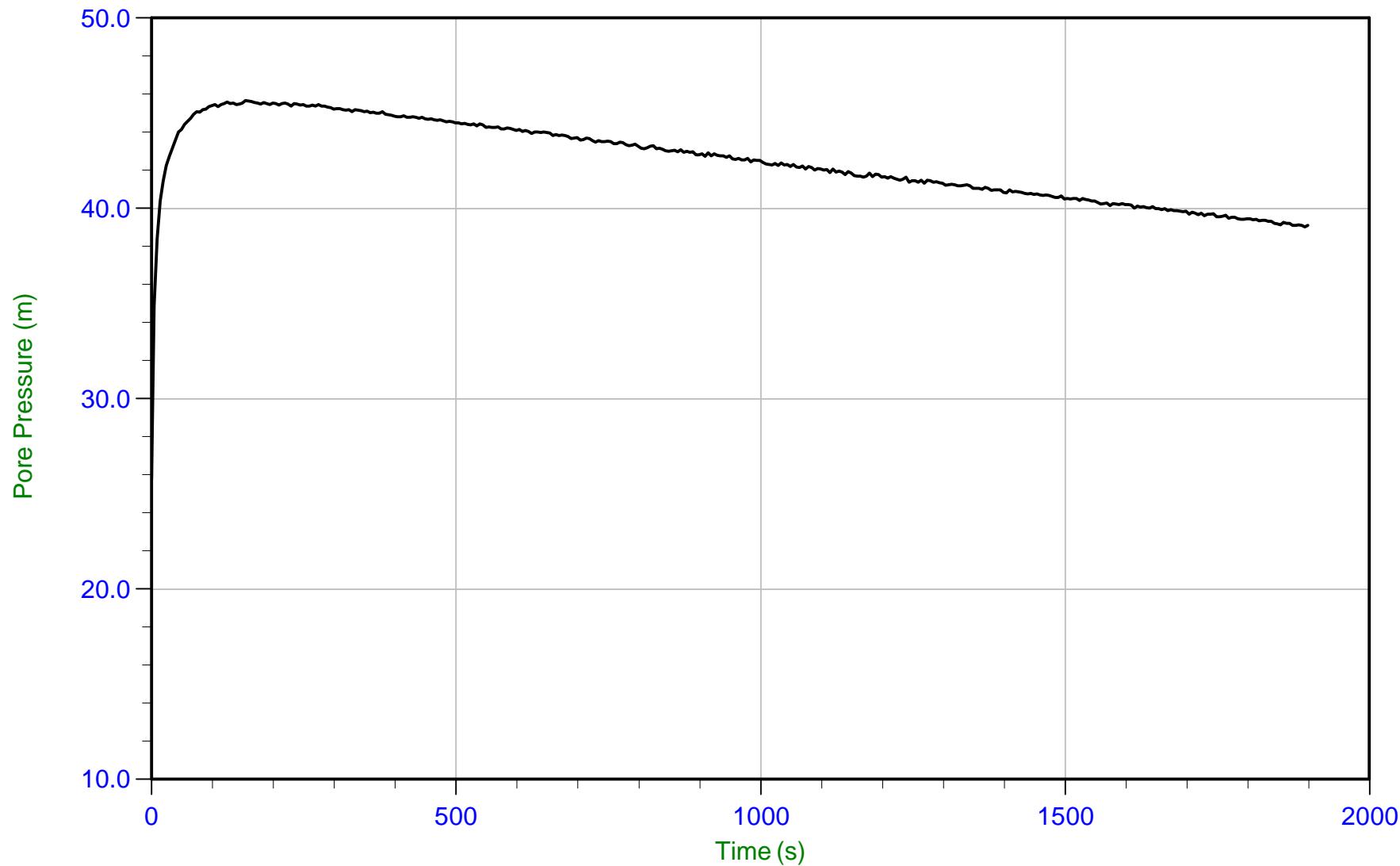
Filename: 14-02091_RS14.PPF

Depth: 9.500 m / 31.168 ft

Duration: 1800.0 s

U Min: -3.5 m

U Max: 24.1 m



Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 9.950 m / 32.644 ft
Duration: 1900.0 s

U Min: 25.8 m
U Max: 45.7 m

CONETEC

Mount Polley

Job No: 14-02091

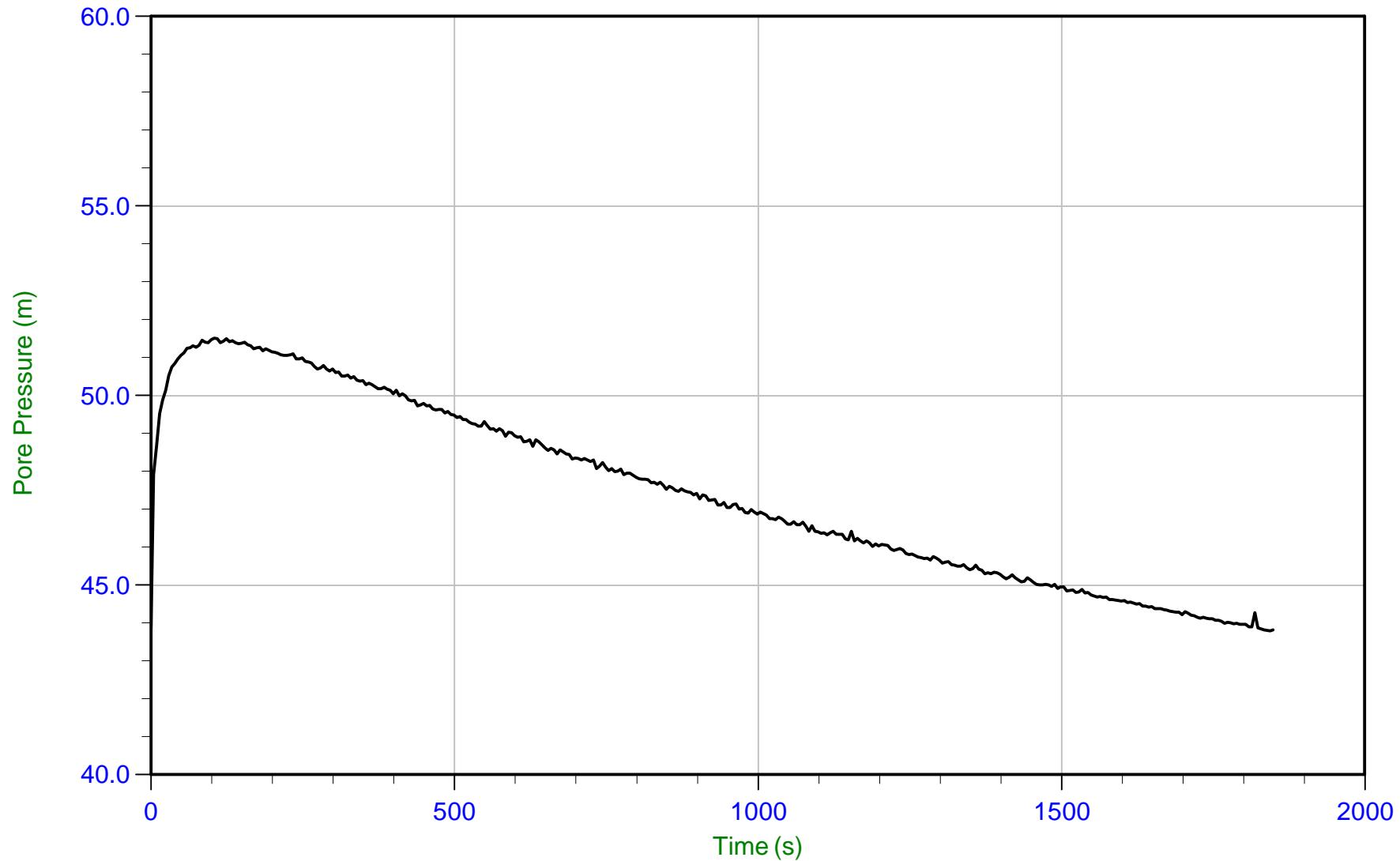
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 10.450 m / 34.284 ft
Duration: 1850.0 s

U Min: 43.8 m
U Max: 51.5 m

CONETEC

Mount Polley

Job No: 14-02091

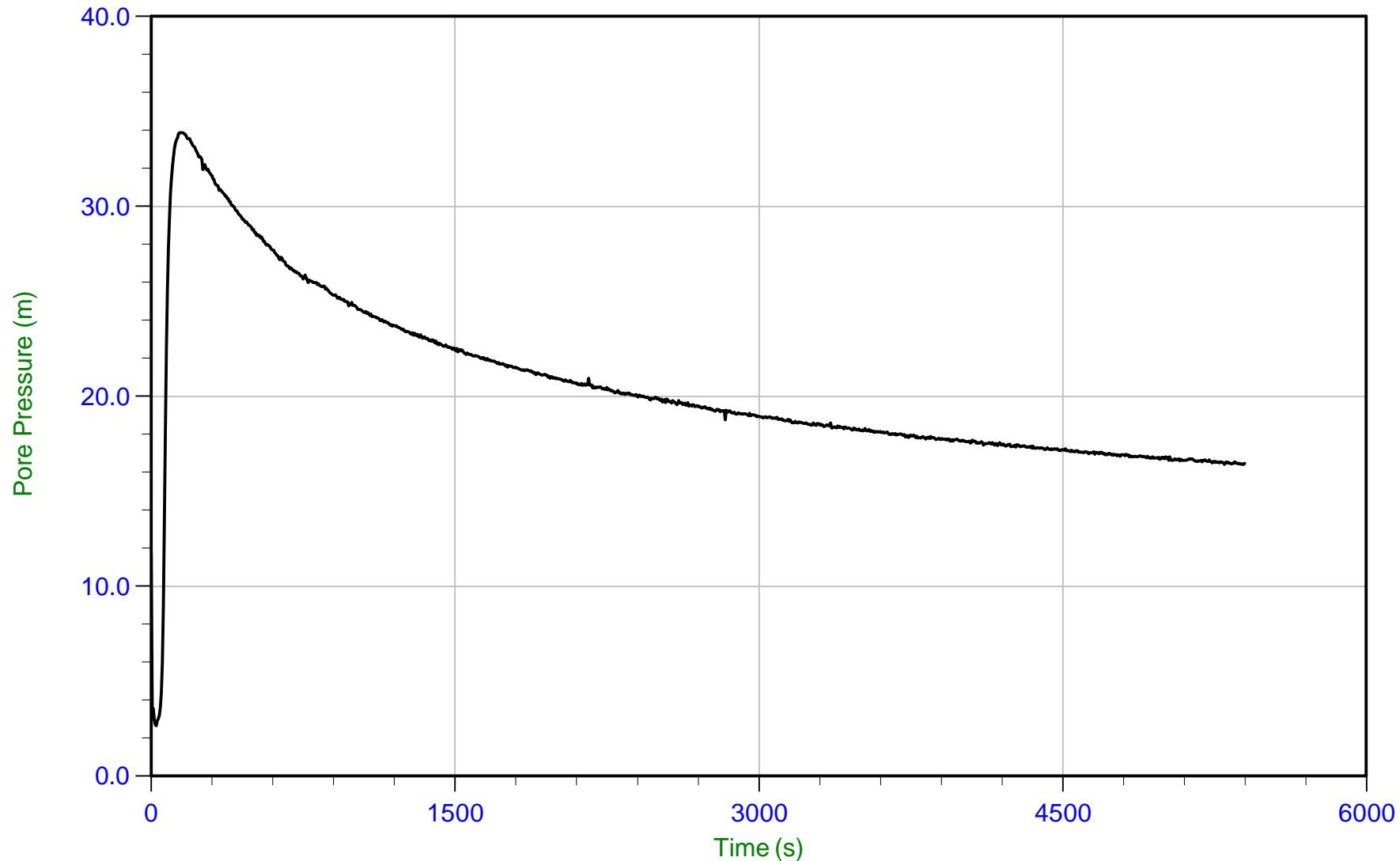
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS14.PPF

Depth: 11.000 m / 36.089 ft

Duration: 5400.0 s

U Min: 2.6 m

U Max: 33.9 m

CONETEC

Mount Polley

Job No: 14-02091

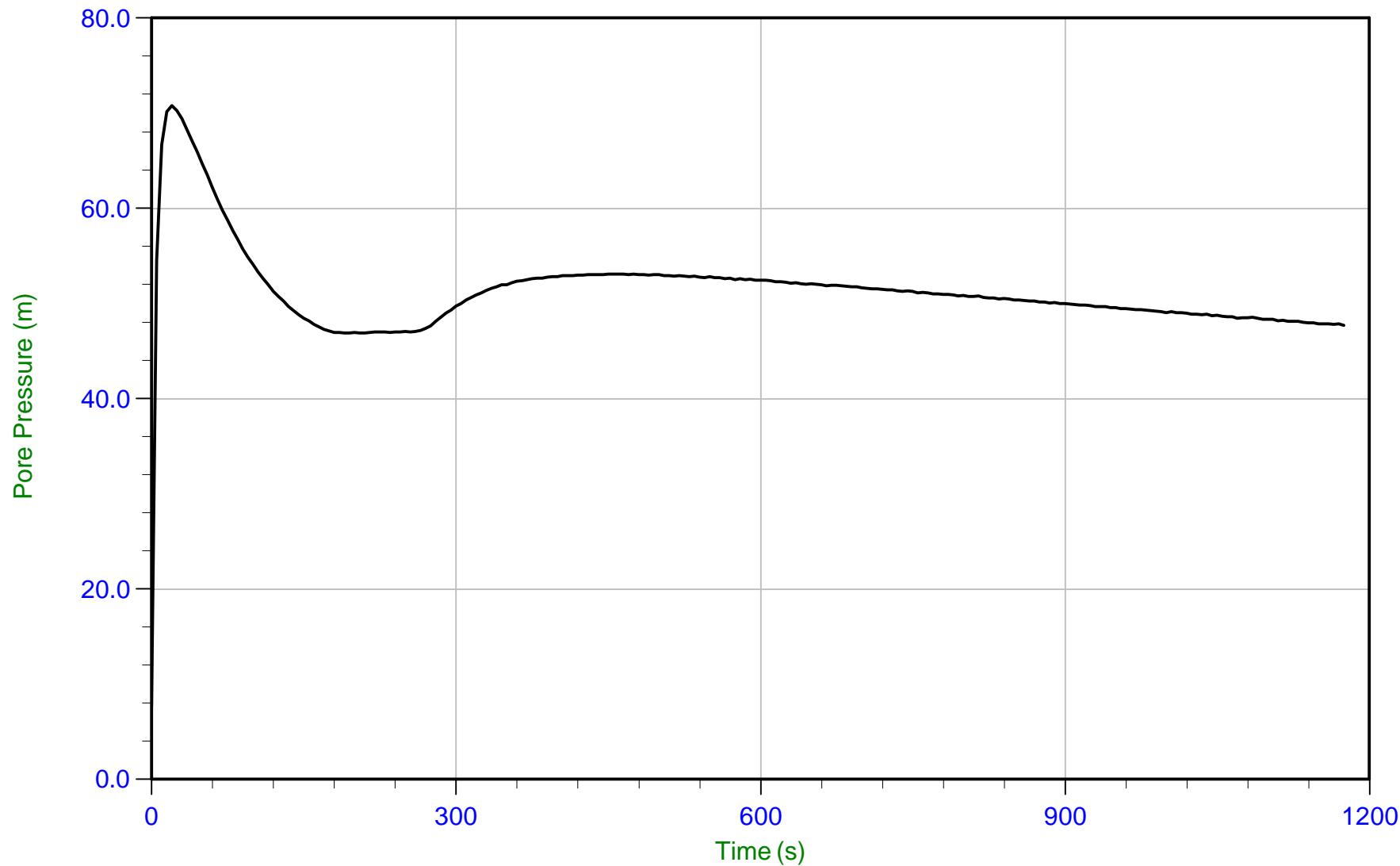
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

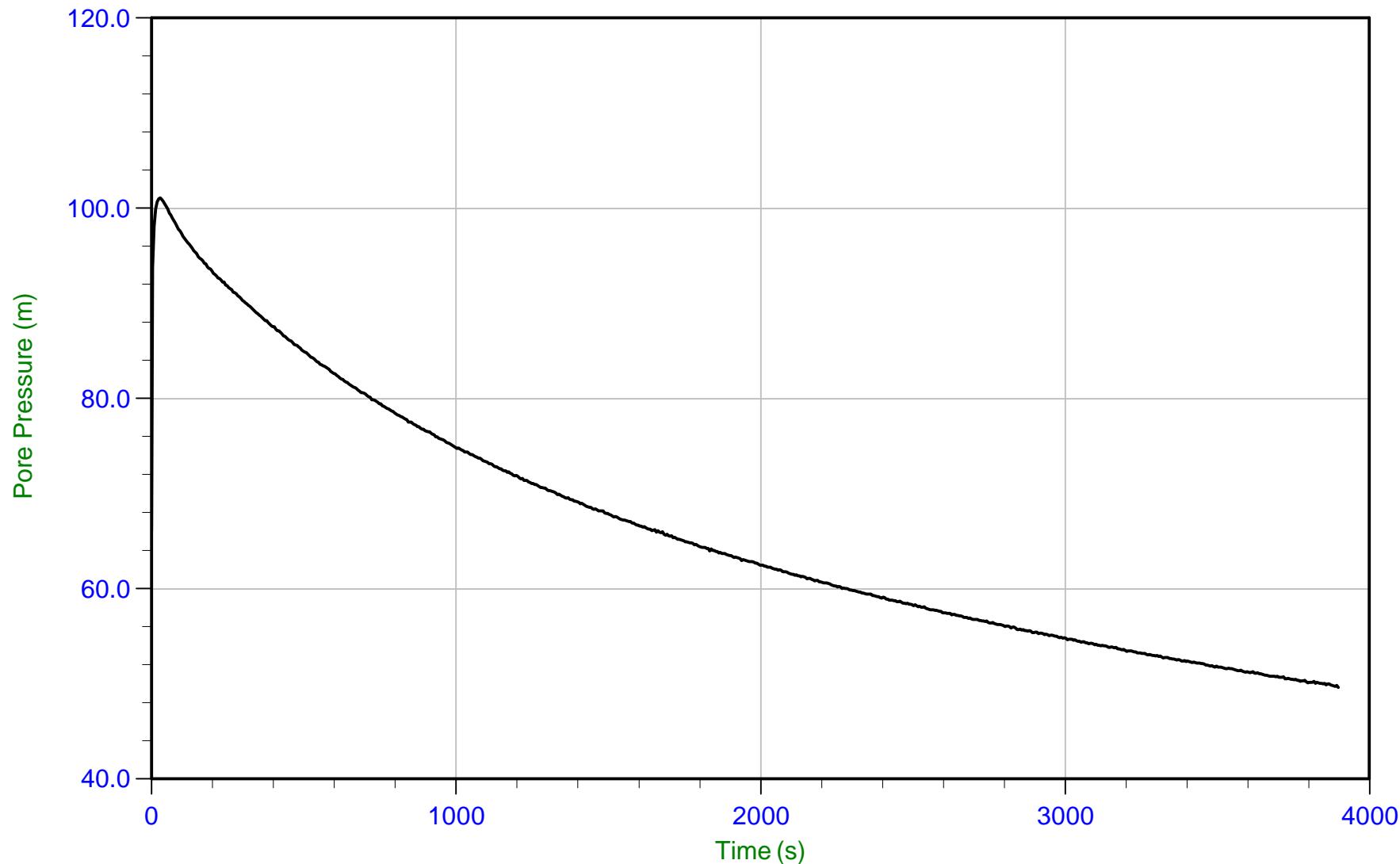
Filename: 14-02091_RS14.PPF

Depth: 12.200 m / 40.026 ft

Duration: 1175.0 s

U Min: 7.7 m

U Max: 70.8 m



Trace Summary:

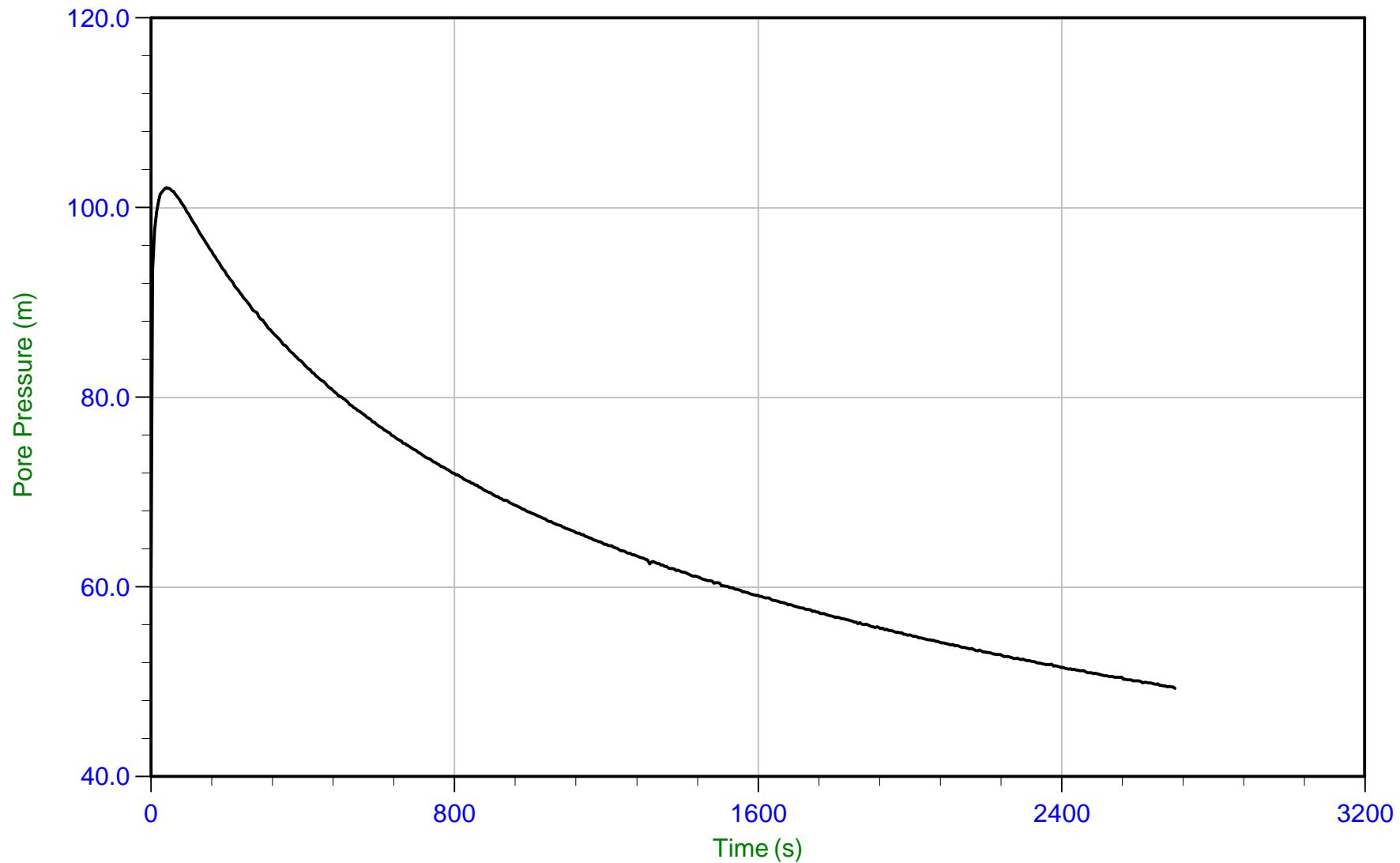
Filename: 14-02091_RS14.PPF

Depth: 13.025 m / 42.732 ft

Duration: 3900.0 s

U Min: 49.6 m

U Max: 101.1 m



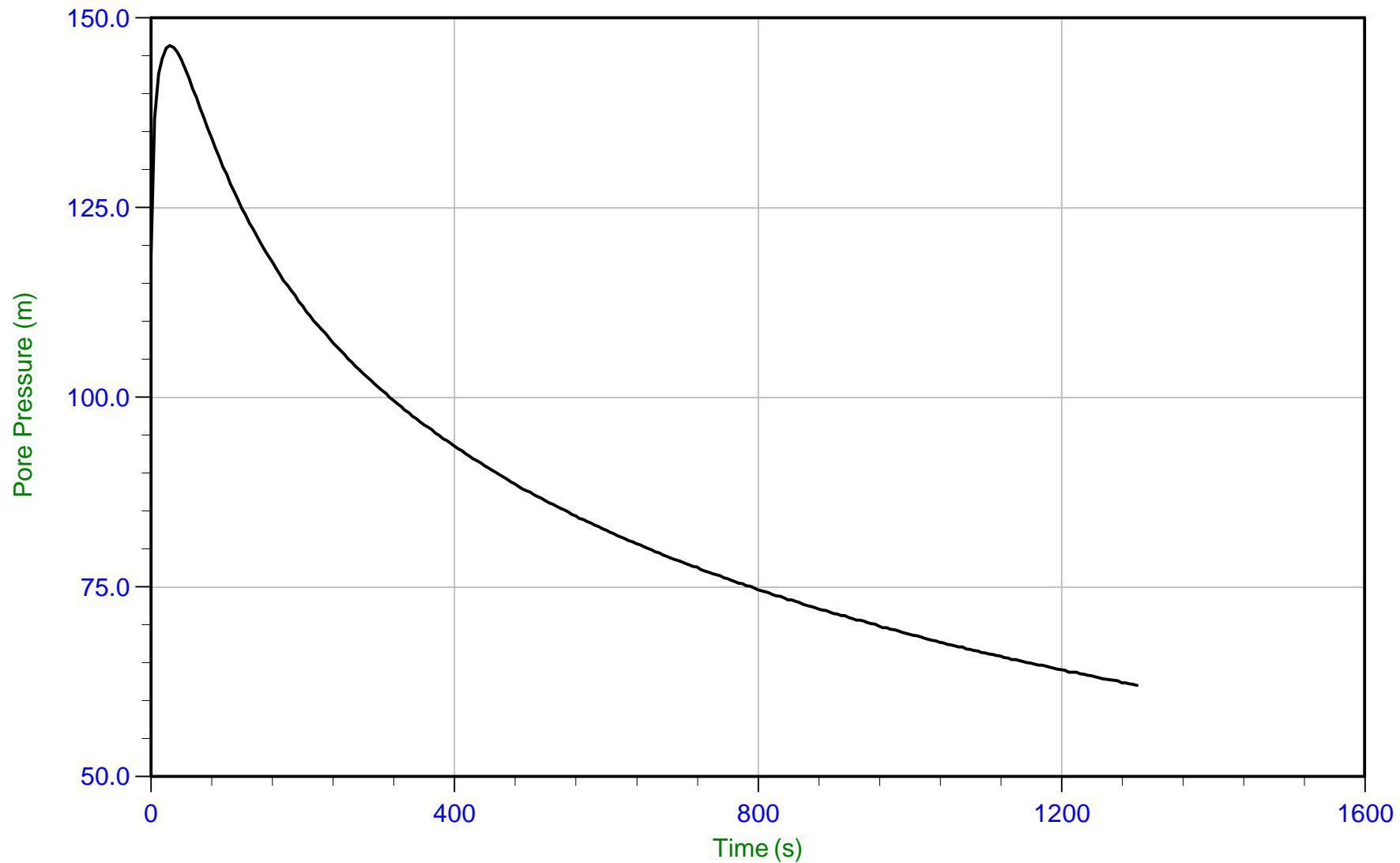
Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 13.200 m / 43.307 ft U Min: 49.3 m
Duration: 2700.0 s U Max: 102.1 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/17/2014 12:58
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



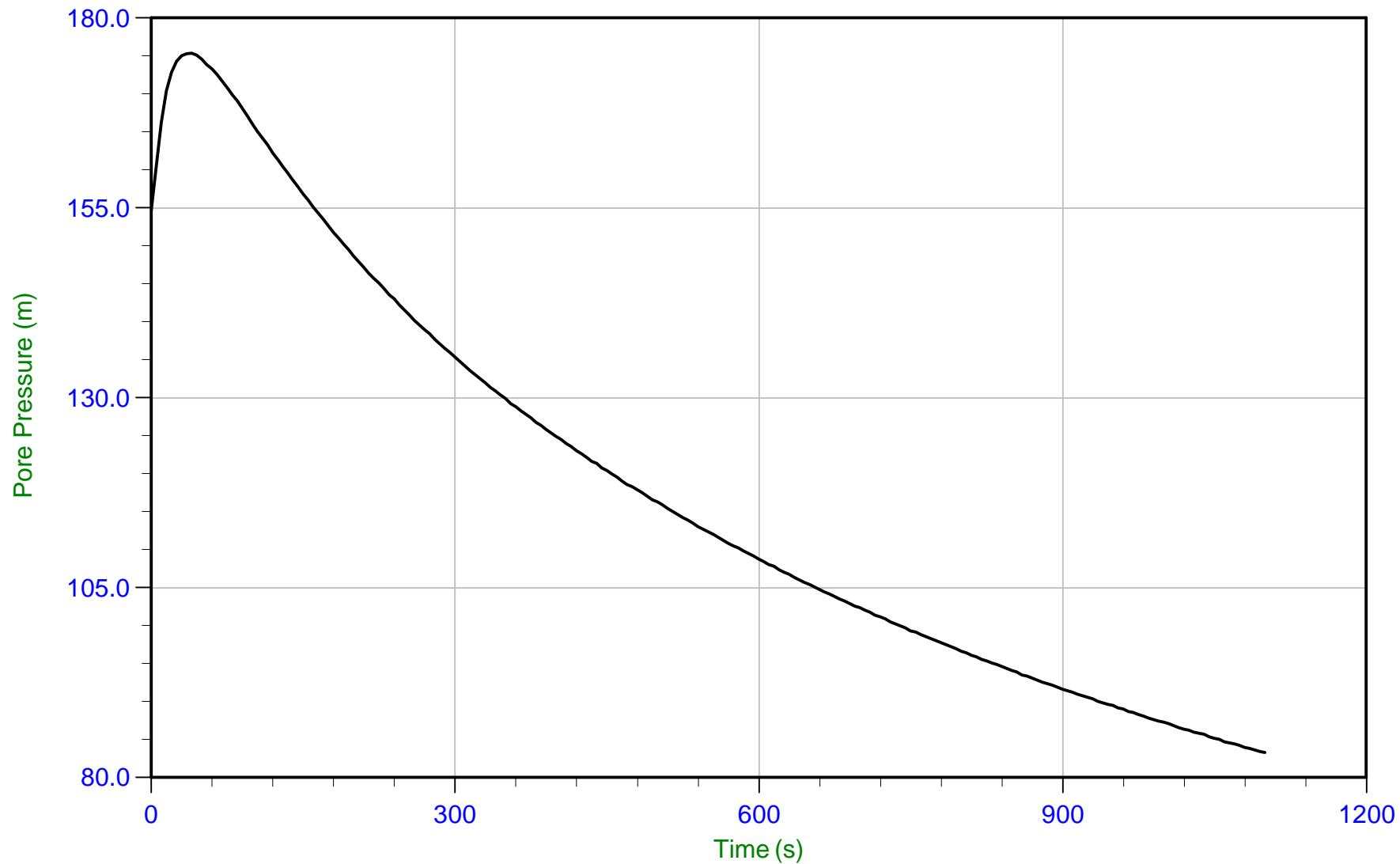
Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 13.400 m / 43.963 ft U Min: 62.1 m
Duration: 1300.0 s U Max: 146.4 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/17/2014 12:58
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS14.PPF
Depth: 13.600 m / 44.619 ft U Min: 83.3 m
Duration: 1100.0 s U Max: 175.4 m

CONETEC

Mount Polley

Job No: 14-02091

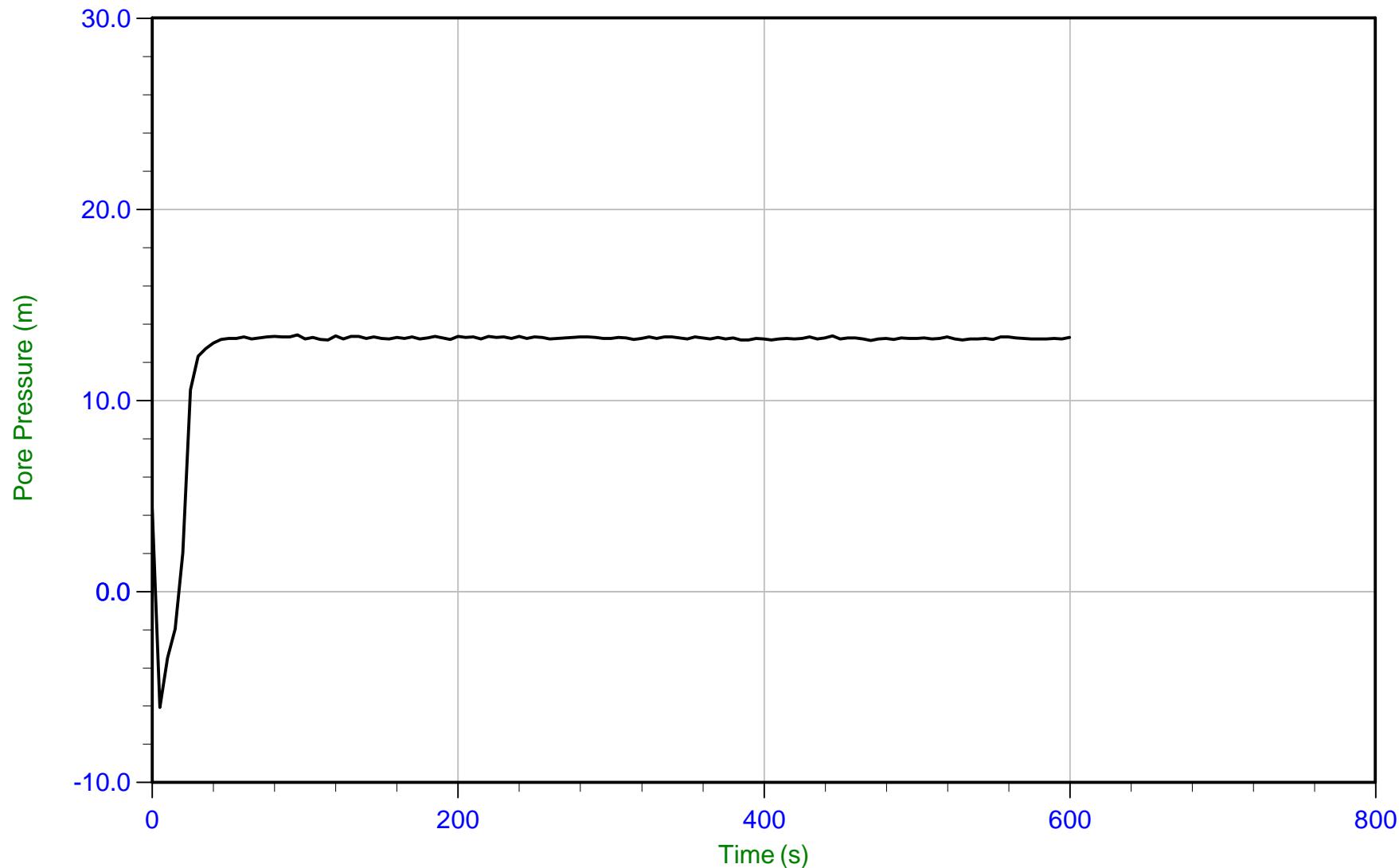
Date: 10/17/2014 12:58

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-14

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS14.PPF

Depth: 13.975 m / 45.849 ft

Duration: 600.0 s

U Min: -6.1 m

U Max: 13.4 m

CONETEC

Mount Polley

Job No: 14-02091

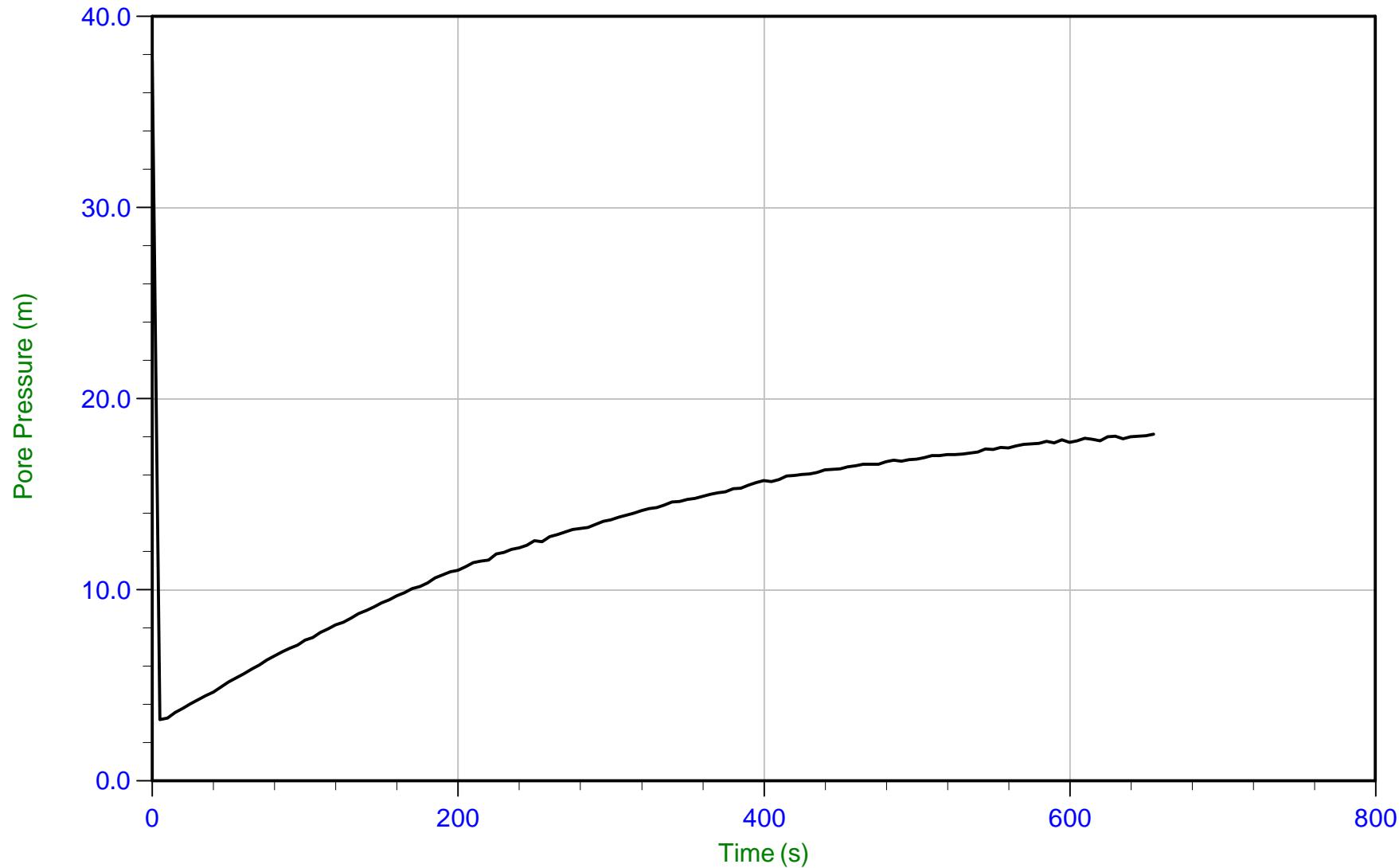
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 4.950 m / 16.240 ft

Duration: 655.0 s

U Min: 3.2 m

U Max: 37.7 m

CONETEC

Mount Polley

Job No: 14-02091

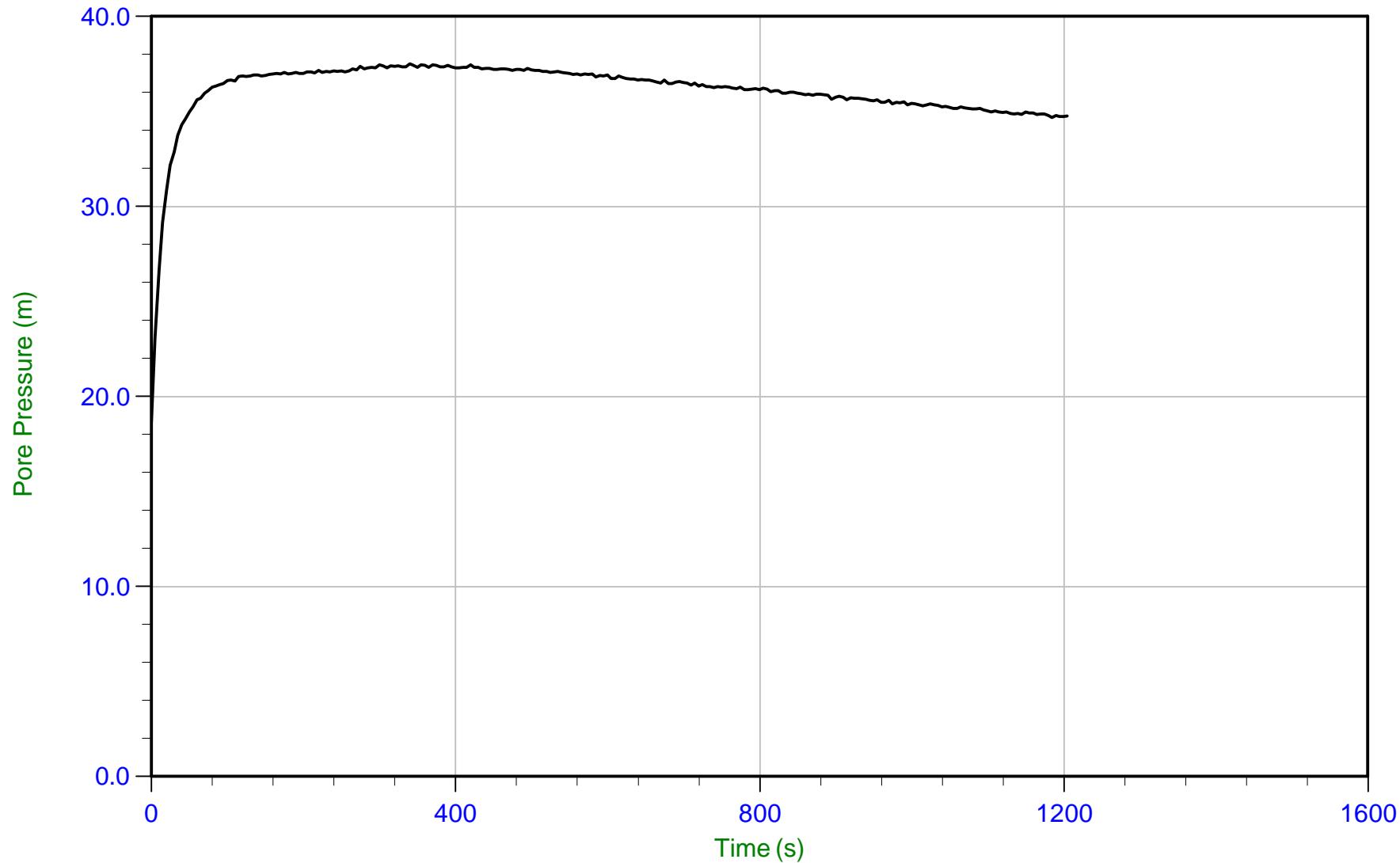
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 7.000 m / 22.966 ft

Duration: 1205.0 s

U Min: 18.7 m

U Max: 37.5 m

CONETEC

Mount Polley

Job No: 14-02091

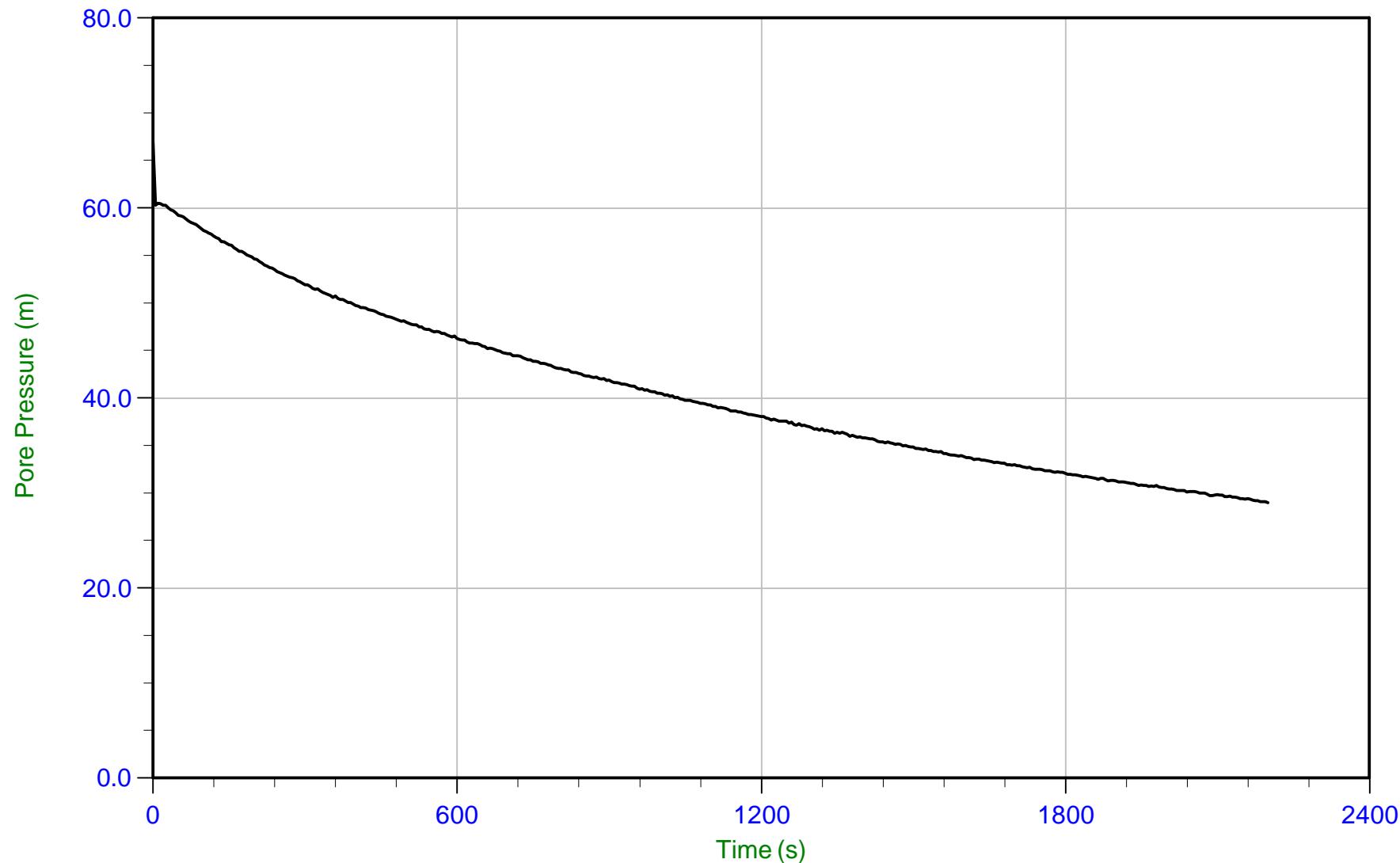
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

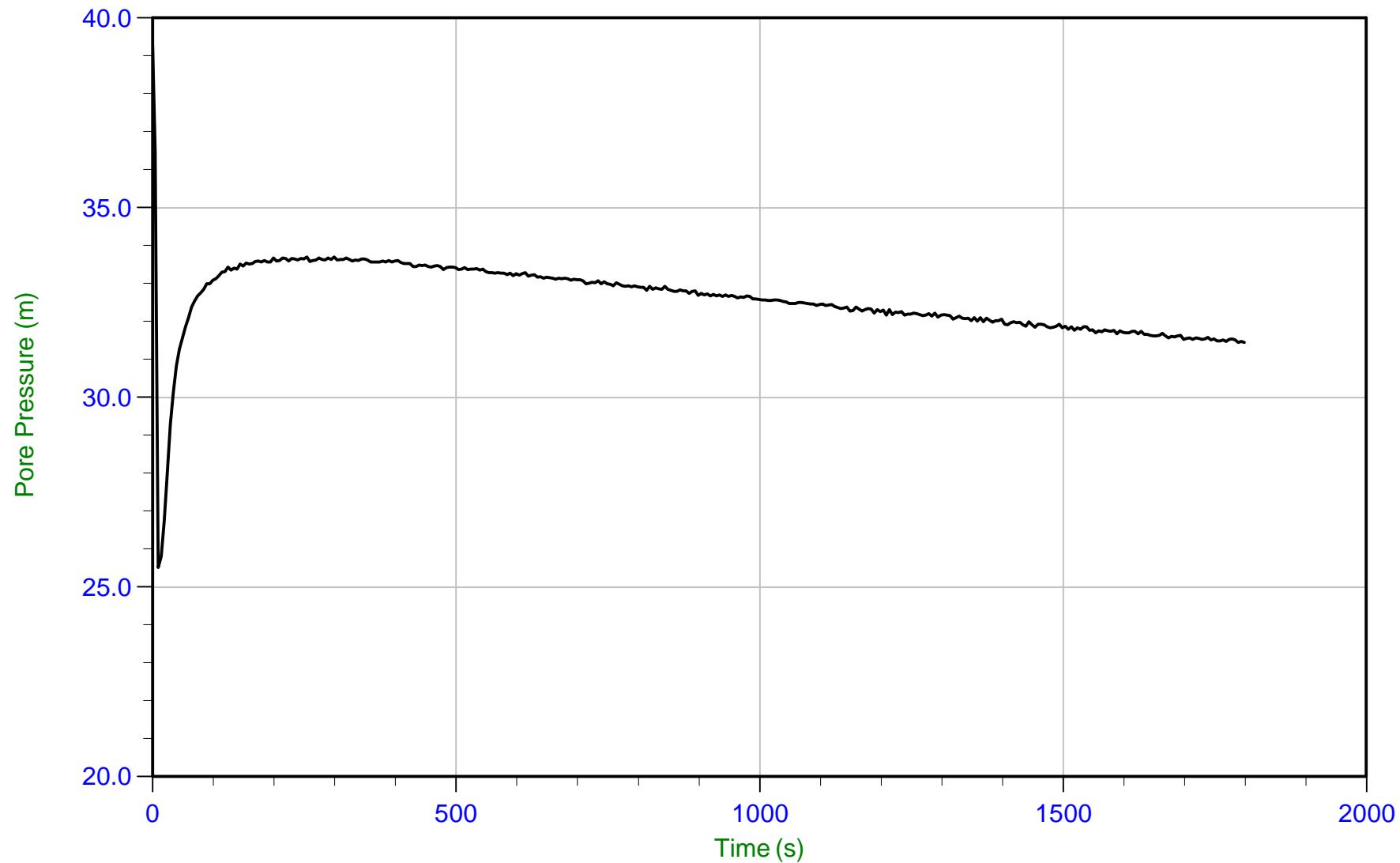
Filename: 14-02091_RS15.PPF

Depth: 7.575 m / 24.852 ft

Duration: 2200.0 s

U Min: 29.0 m

U Max: 66.9 m



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 8.950 m / 29.363 ft

Duration: 1800.0 s

U Min: 25.5 m

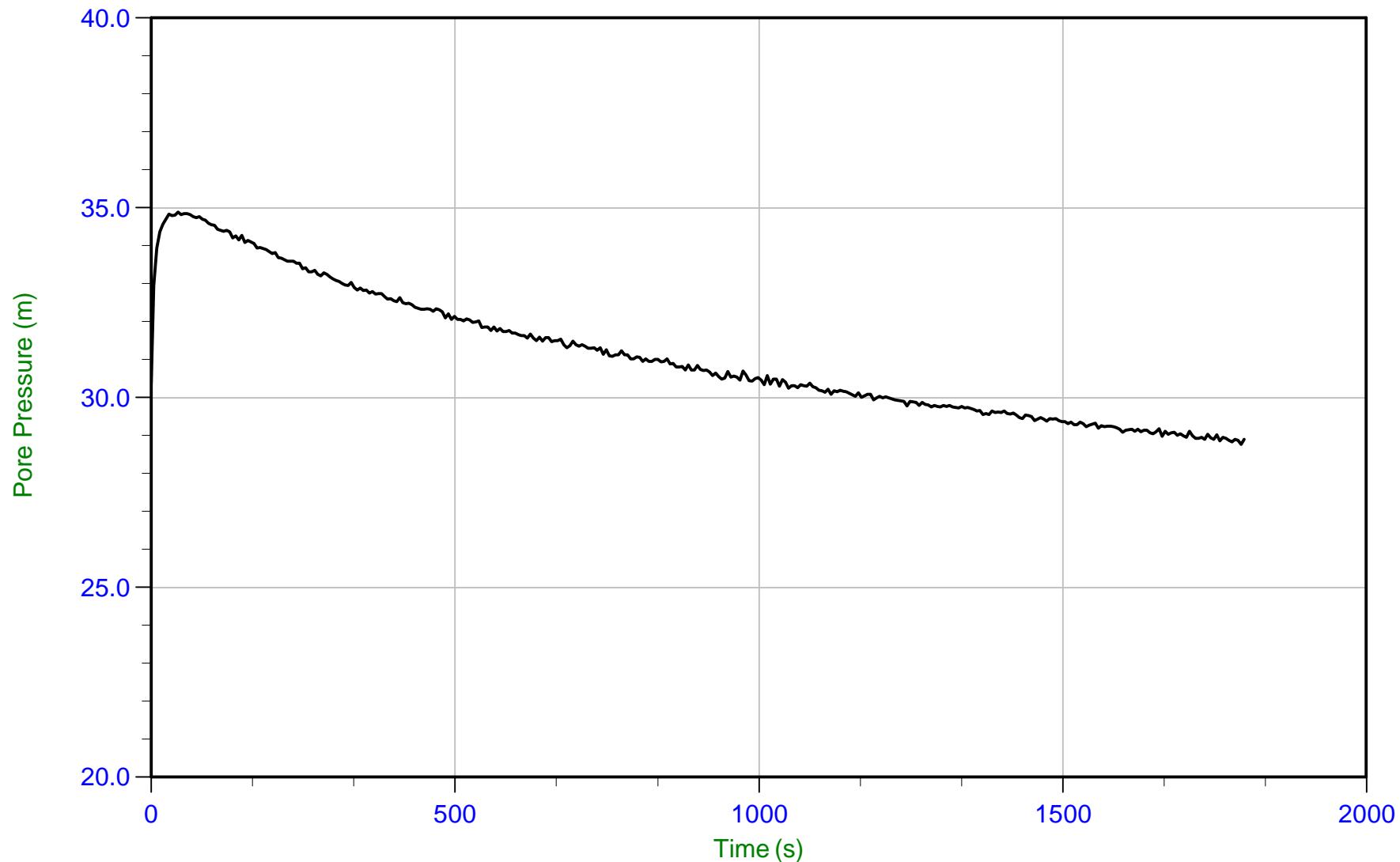
U Max: 39.3 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/20/2014 14:57
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS15.PPF
Depth: 9.600 m / 31.496 ft U Min: 28.8 m
Duration: 1800.0 s U Max: 34.9 m

CONETEC

Mount Polley

Job No: 14-02091

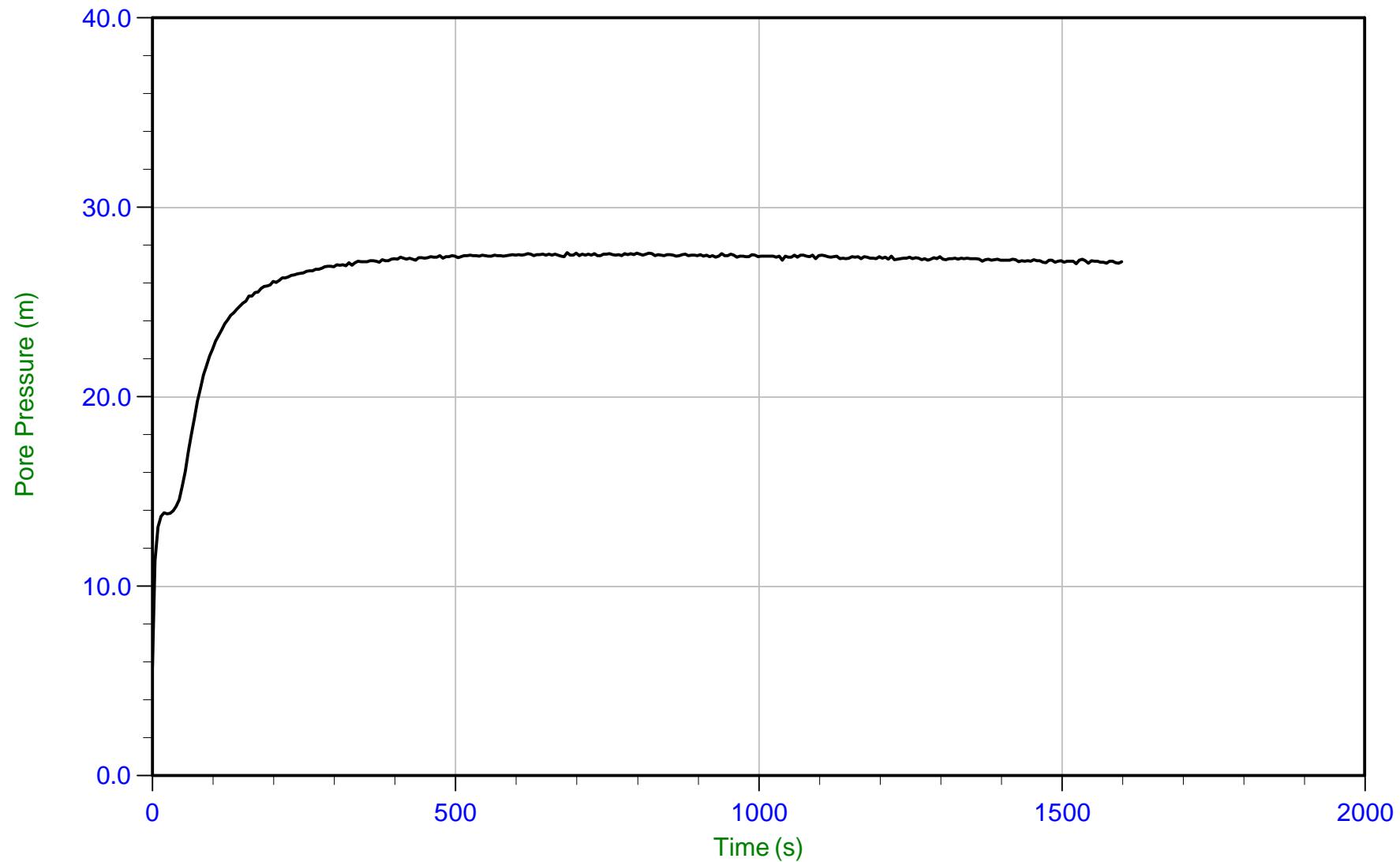
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 9.875 m / 32.398 ft

Duration: 1600.0 s

U Min: 5.8 m

U Max: 27.6 m

CONETEC

Mount Polley

Job No: 14-02091

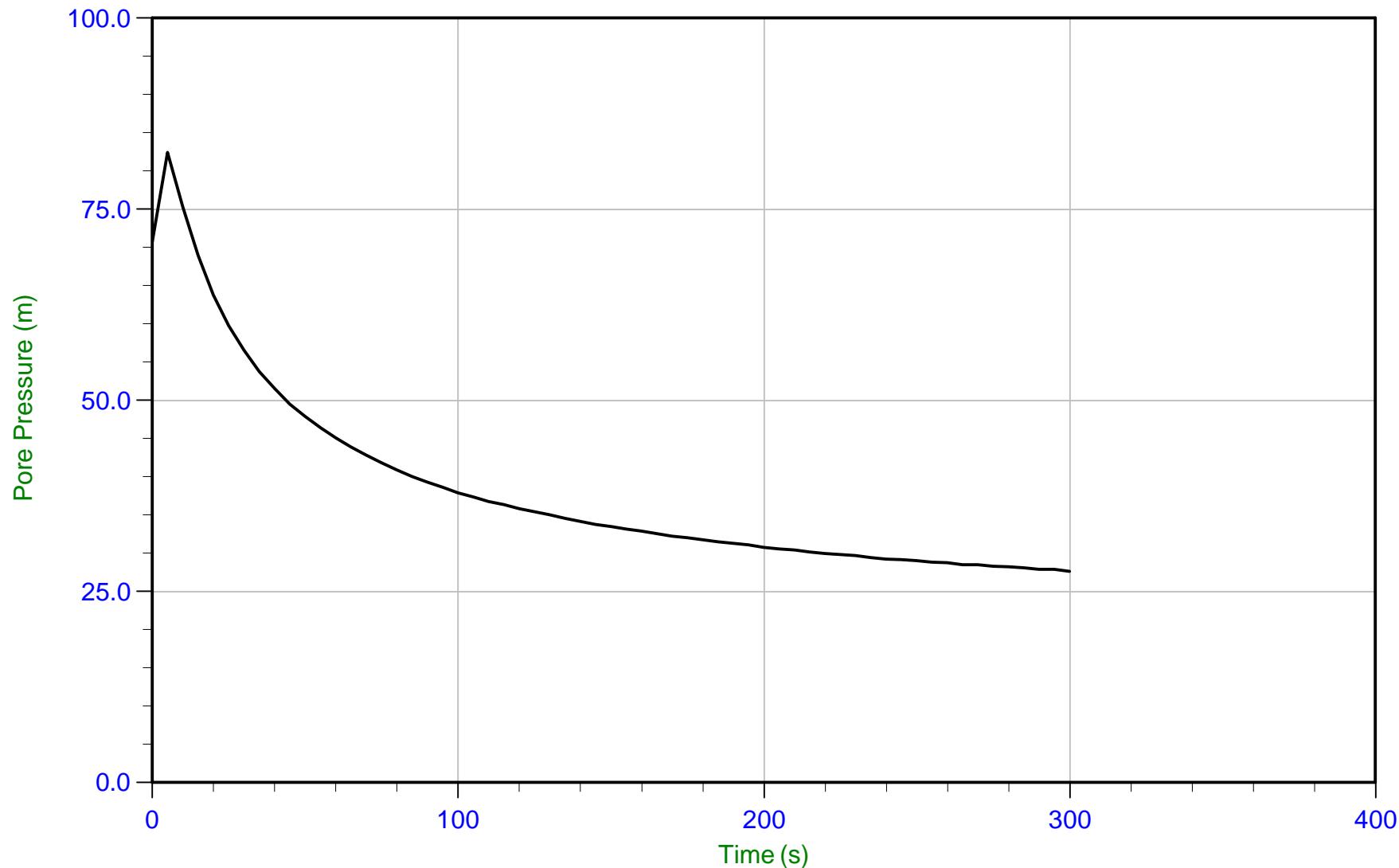
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 10.400 m / 34.120 ft

Duration: 300.0 s

U Min: 27.6 m

U Max: 82.4 m

CONETEC

Mount Polley

Job No: 14-02091

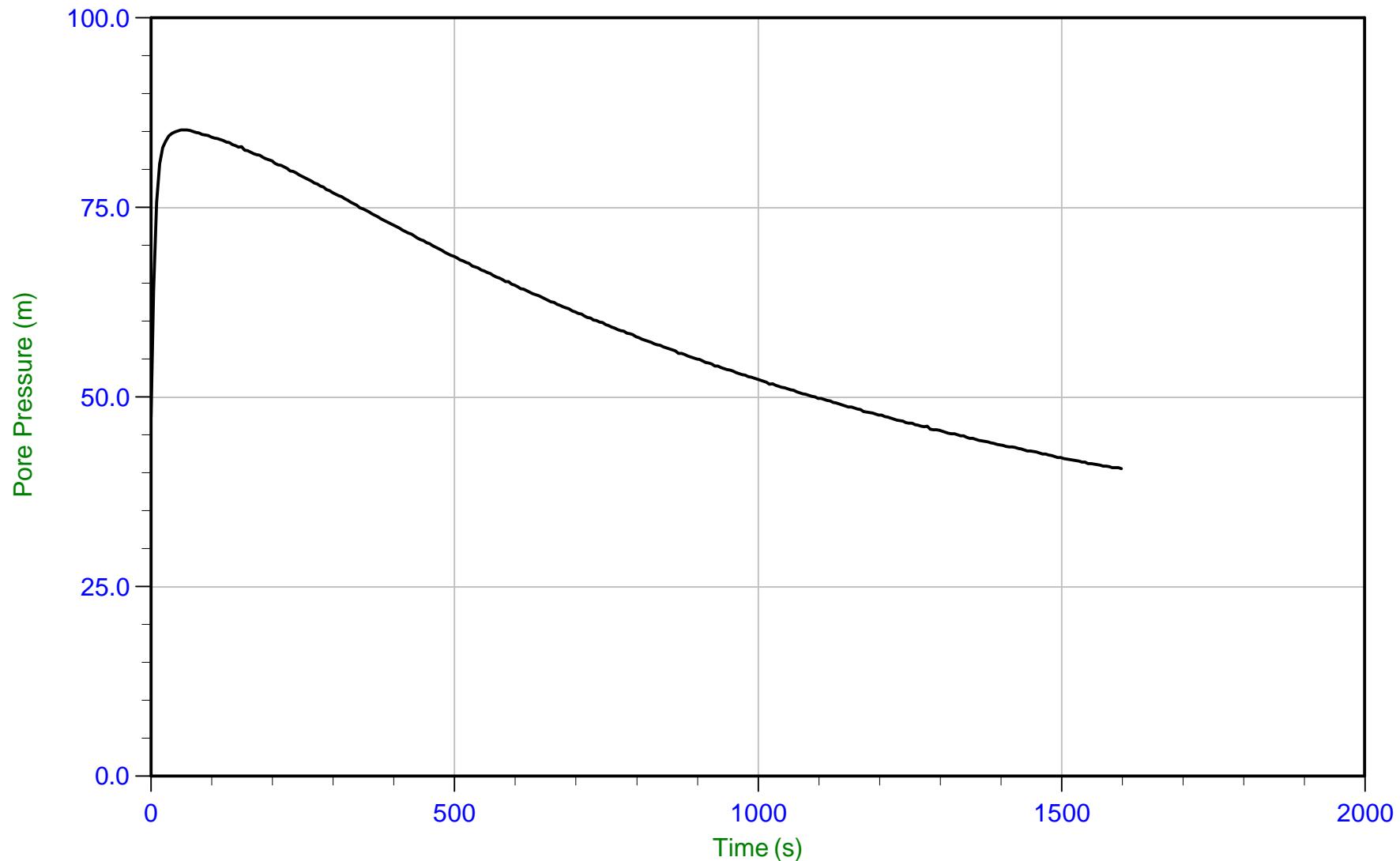
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 12.000 m / 39.370 ft

Duration: 1600.0 s

U Min: 40.5 m

U Max: 85.3 m

CONETEC

Mount Polley

Job No: 14-02091

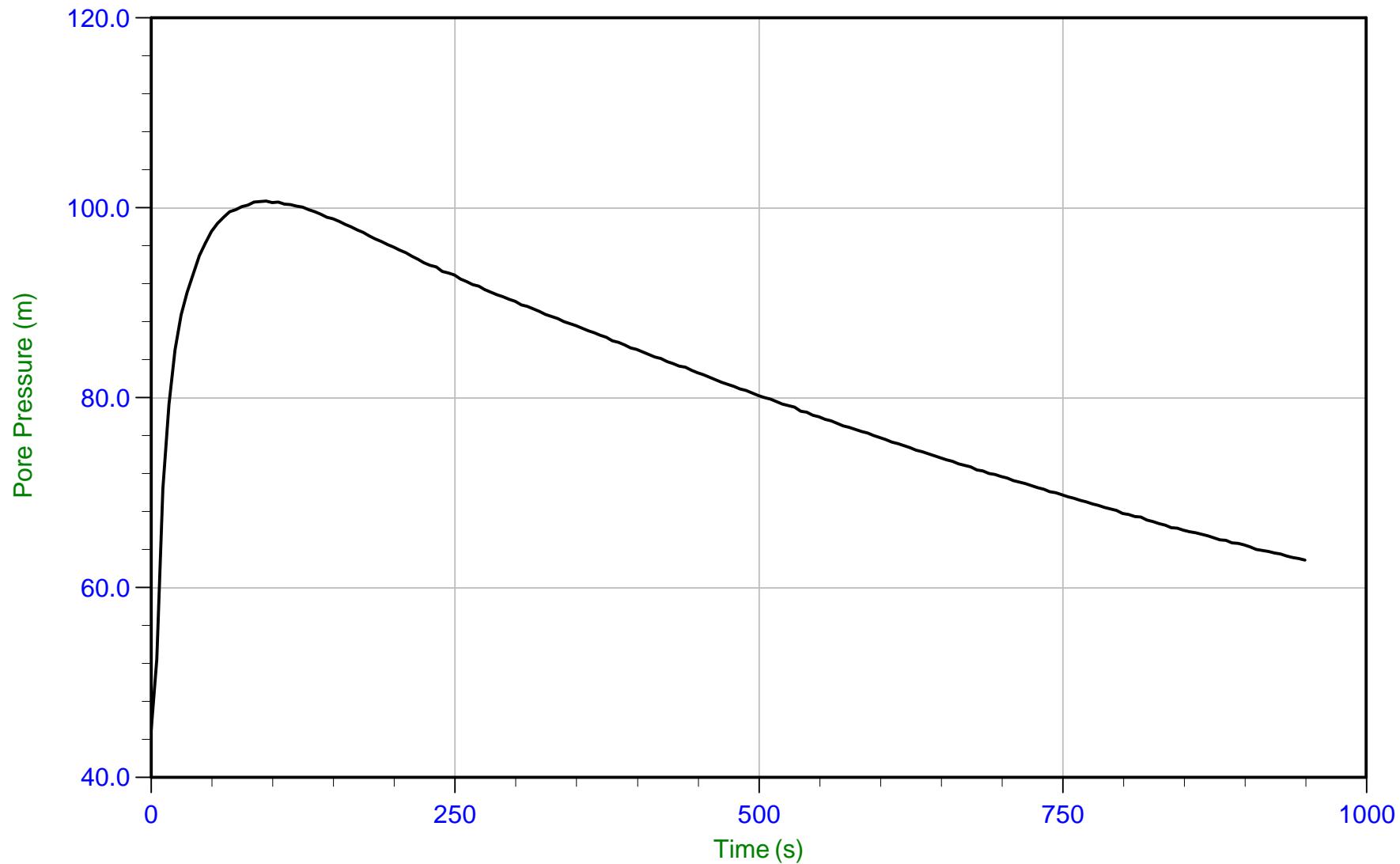
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 12.525 m / 41.092 ft

Duration: 950.0 s

U Min: 45.0 m

U Max: 100.7 m

CONETEC

Mount Polley

Job No: 14-02091

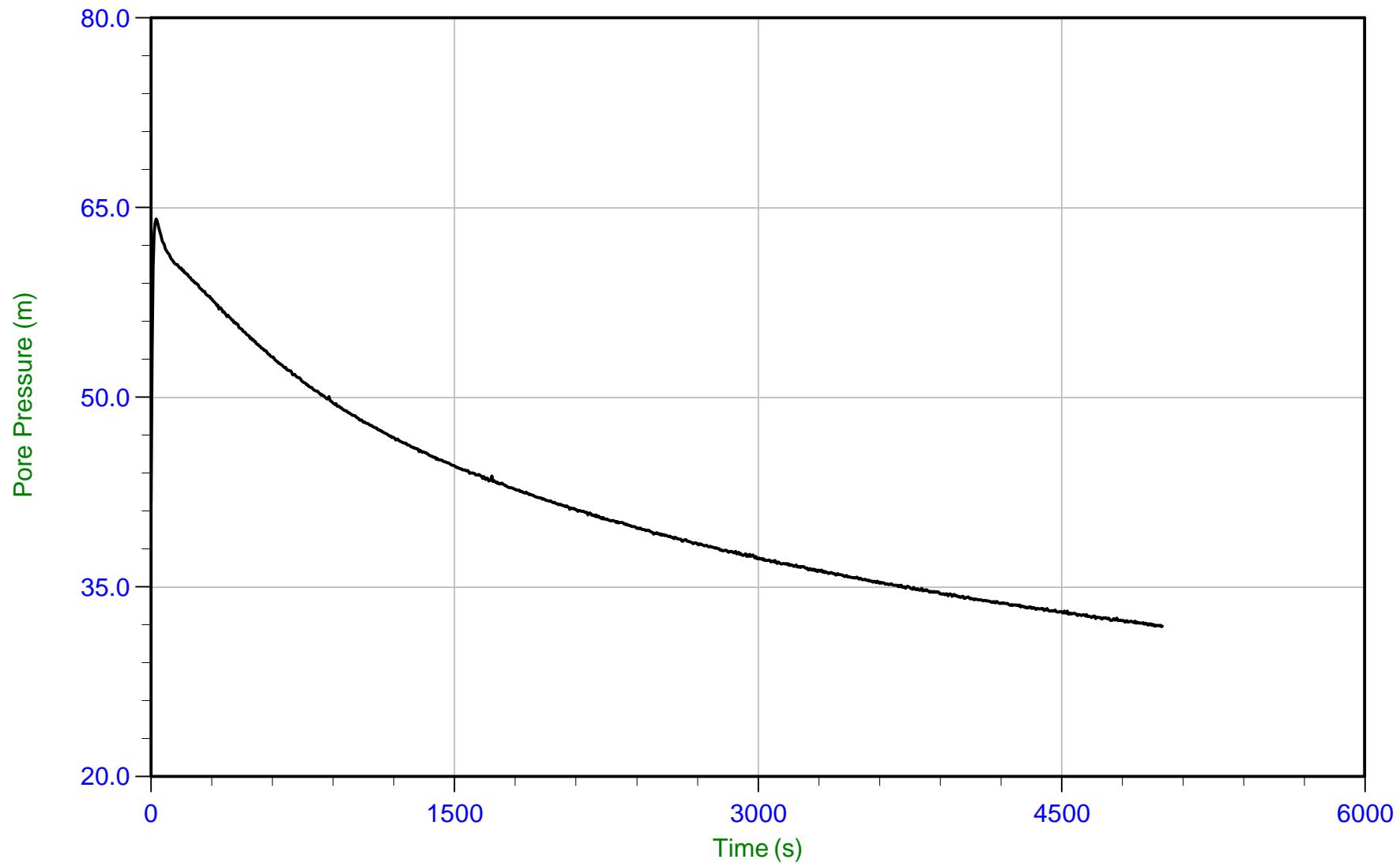
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 14.425 m / 47.326 ft

Duration: 5000.0 s

U Min: 31.9 m

U Max: 64.1 m

CONETEC

Mount Polley

Job No: 14-02091

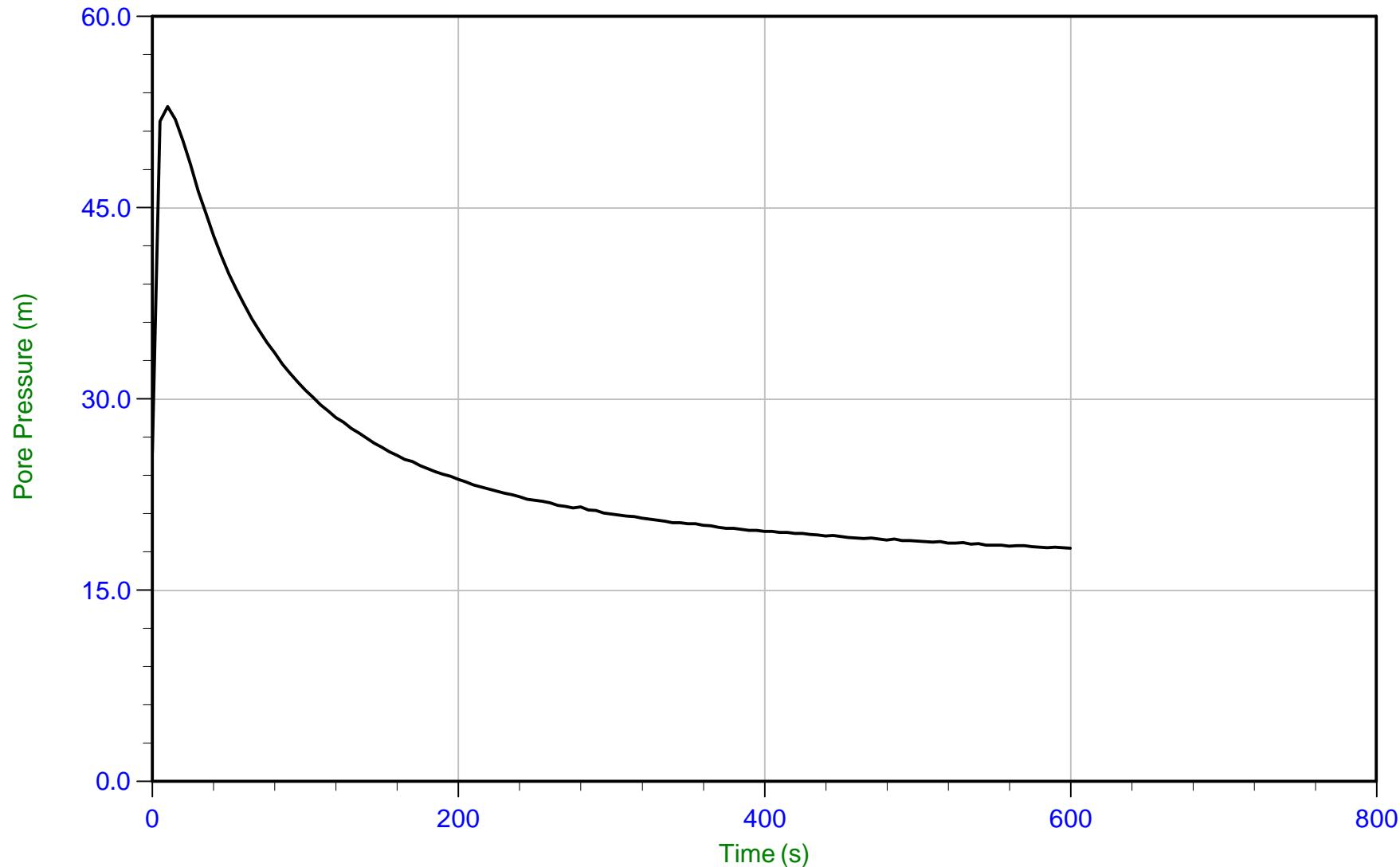
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 14.800 m / 48.556 ft

Duration: 600.0 s

U Min: 18.3 m

U Max: 53.0 m

CONETEC

Mount Polley

Job No: 14-02091

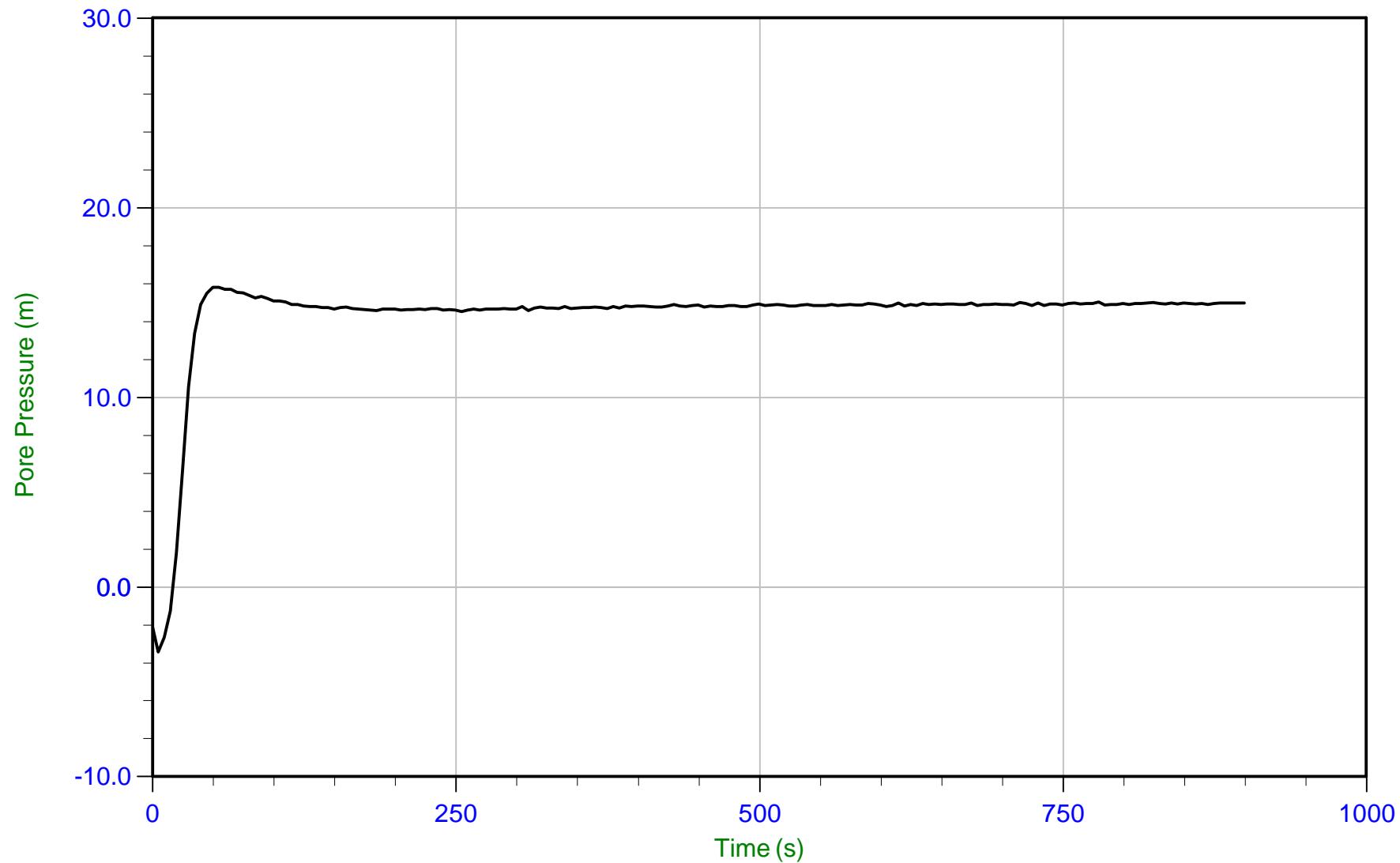
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 15.425 m / 50.606 ft

Duration: 900.0 s

U Min: -3.4 m

U Max: 15.8 m

CONETEC

Mount Polley

Job No: 14-02091

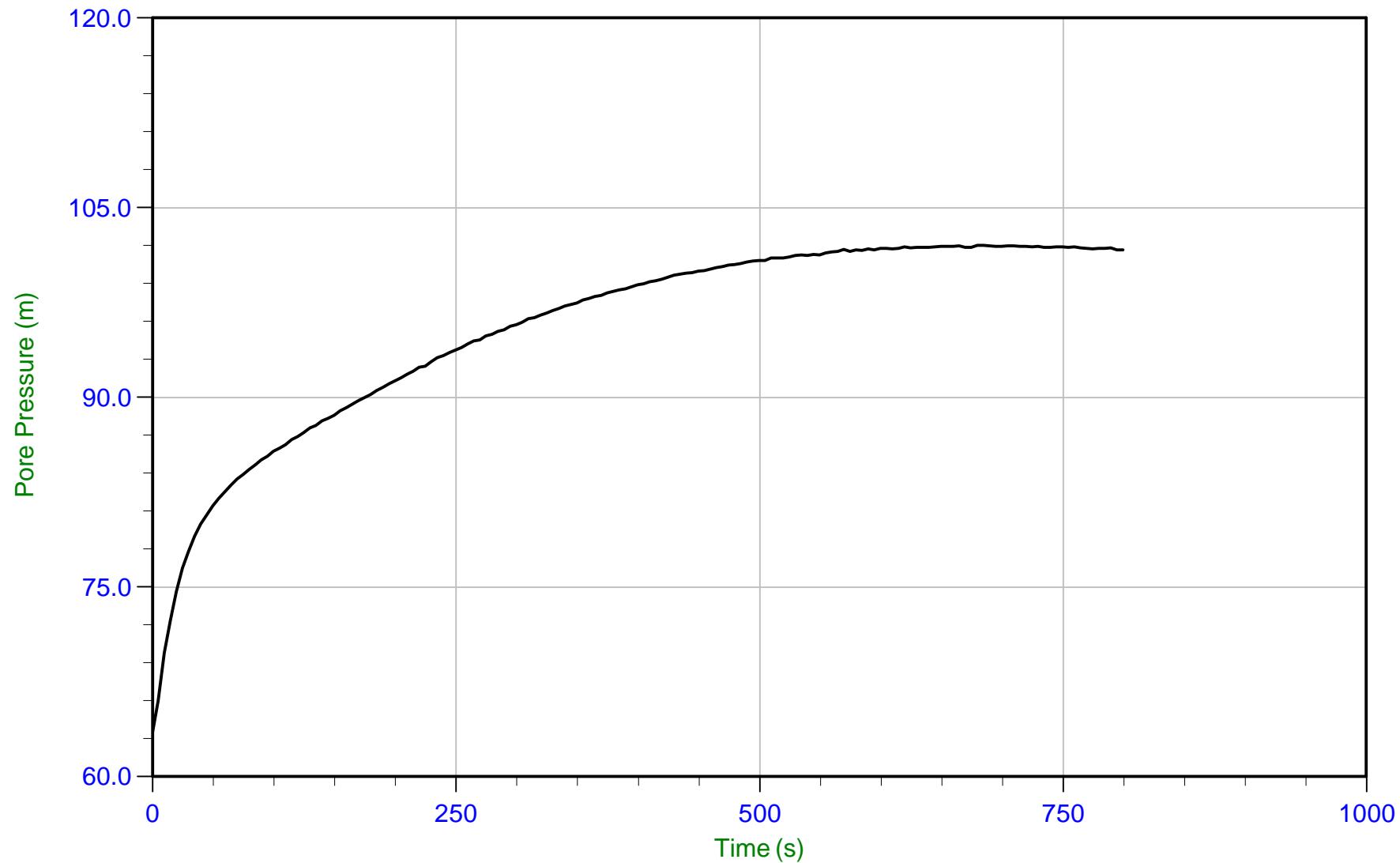
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 17.000 m / 55.774 ft

Duration: 800.0 s

U Min: 63.5 m

U Max: 102.0 m

CONETEC

Mount Polley

Job No: 14-02091

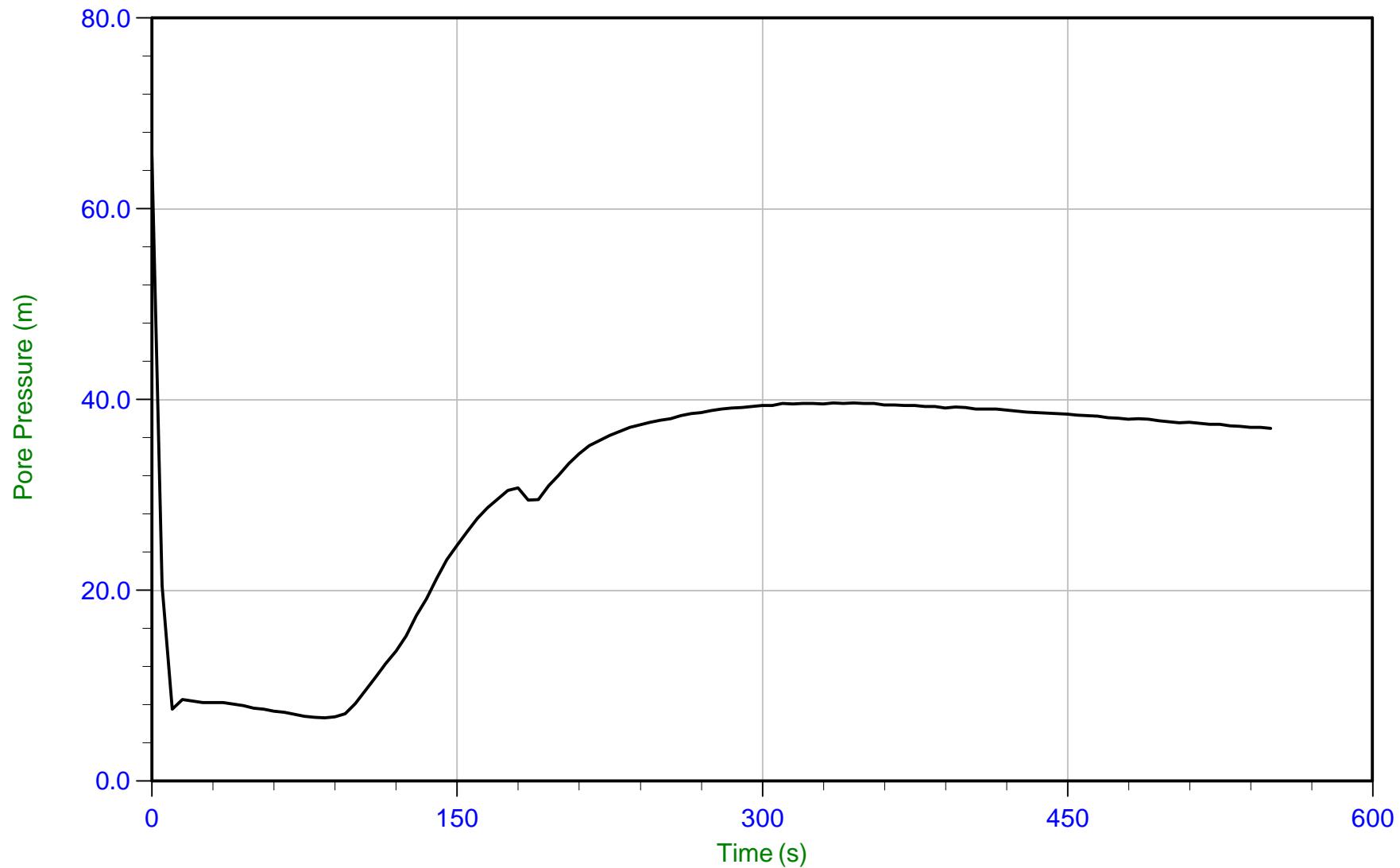
Date: 10/20/2014 14:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-15

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS15.PPF

Depth: 18.825 m / 61.761 ft

Duration: 550.0 s

U Min: 6.6 m

U Max: 65.5 m

CONETEC

Mount Polley

Job No: 14-02091

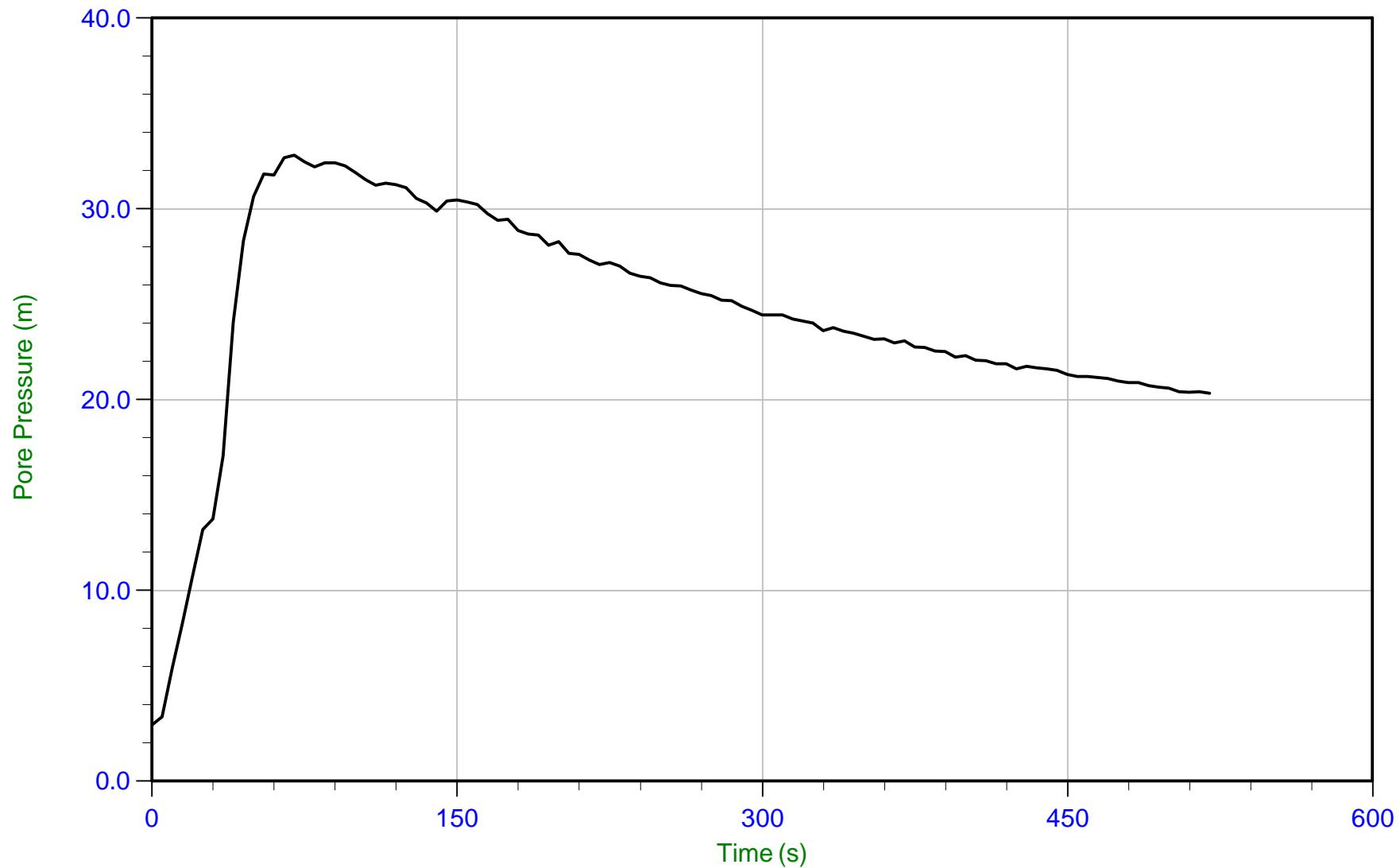
Date: 10/22/2014 11:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-16

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS16b.PPF

Depth: 8.525 m / 27.969 ft

Duration: 520.0 s

U Min: 3.0 m

U Max: 32.8 m

CONETEC

Mount Polley

Job No: 14-02091

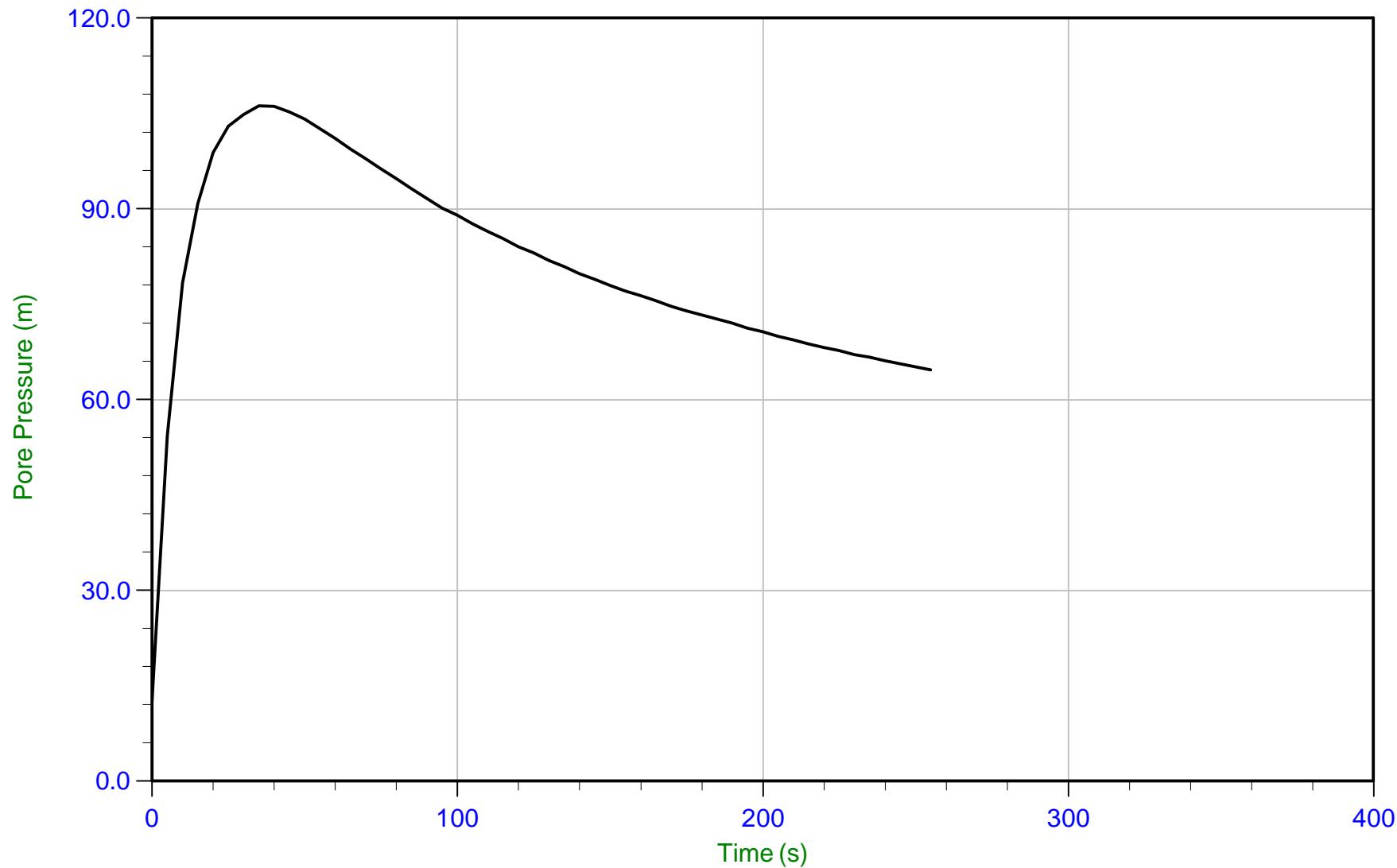
Date: 10/22/2014 11:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-16

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS16b.PPF

Depth: 11.275 m / 36.991 ft

Duration: 255.0 s

U Min: 12.6 m

U Max: 106.2 m

CONETEC

Mount Polley

Job No: 14-02091

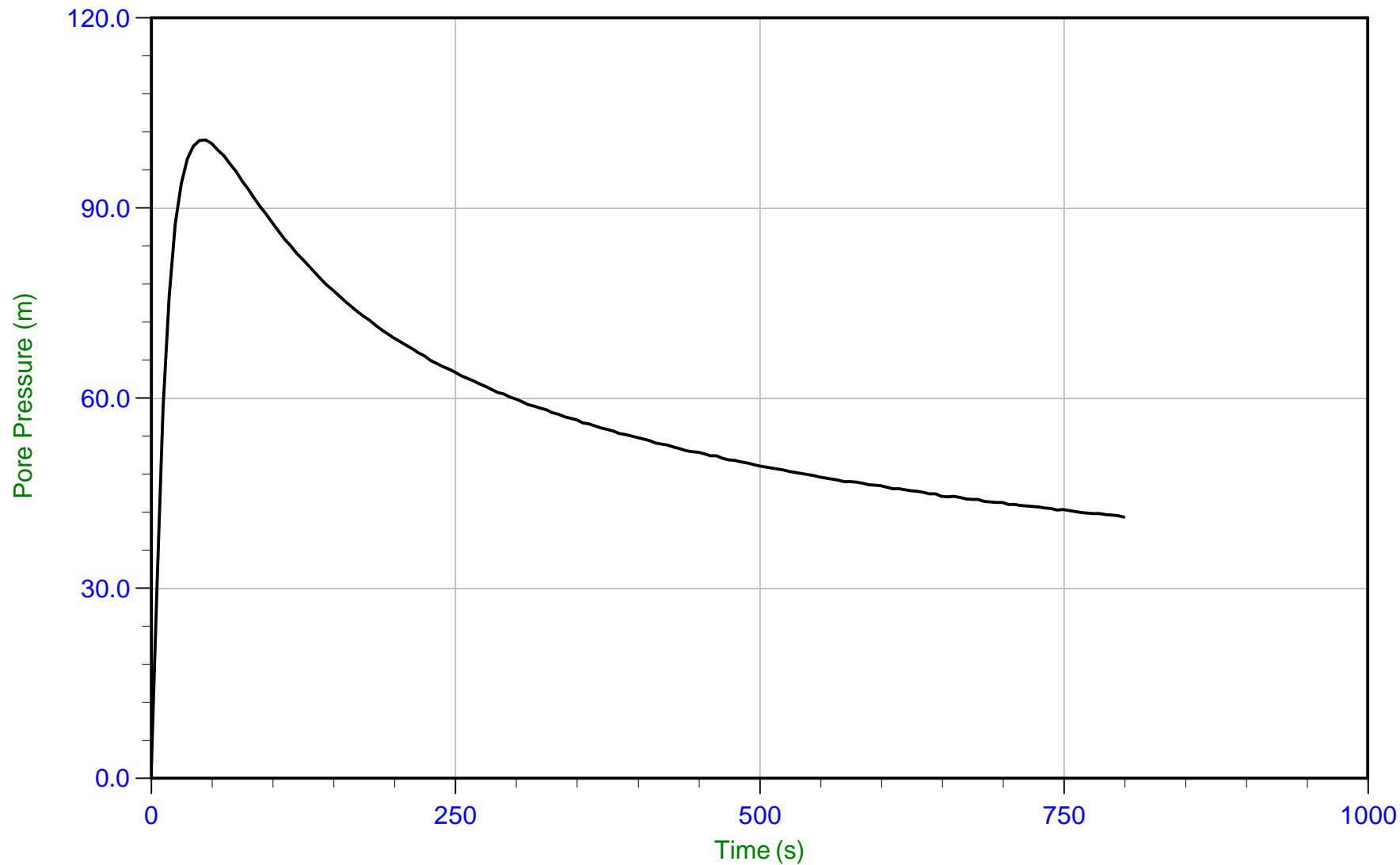
Date: 10/22/2014 11:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-16

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS16b.PPF

Depth: 11.975 m / 39.288 ft

Duration: 800.0 s

U Min: 2.0 m

U Max: 100.8 m

CONETEC

Mount Polley

Job No: 14-02091

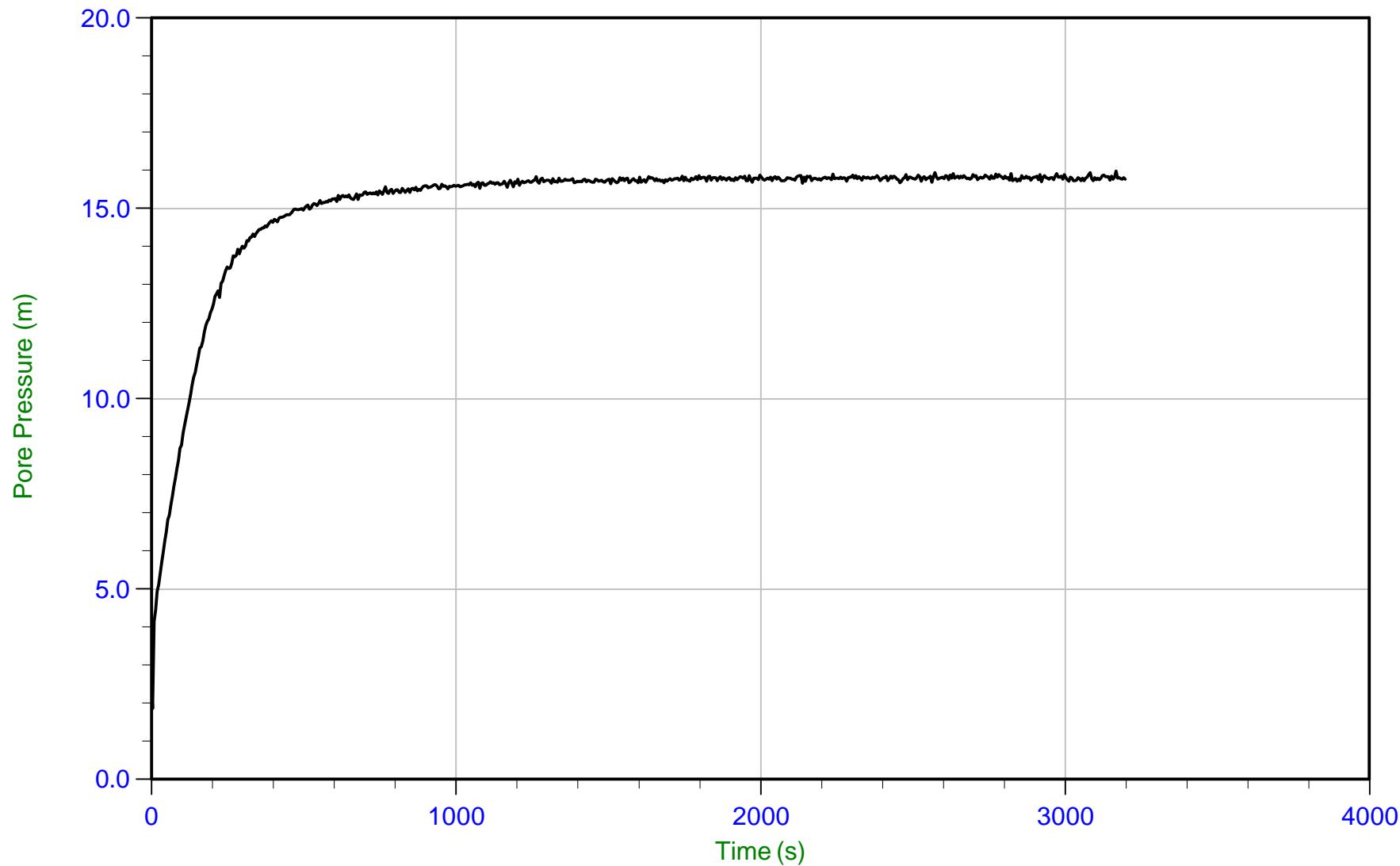
Date: 10/22/2014 11:50

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-16

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS16b.PPF

Depth: 12.475 m / 40.928 ft

Duration: 3200.0 s

U Min: 1.9 m

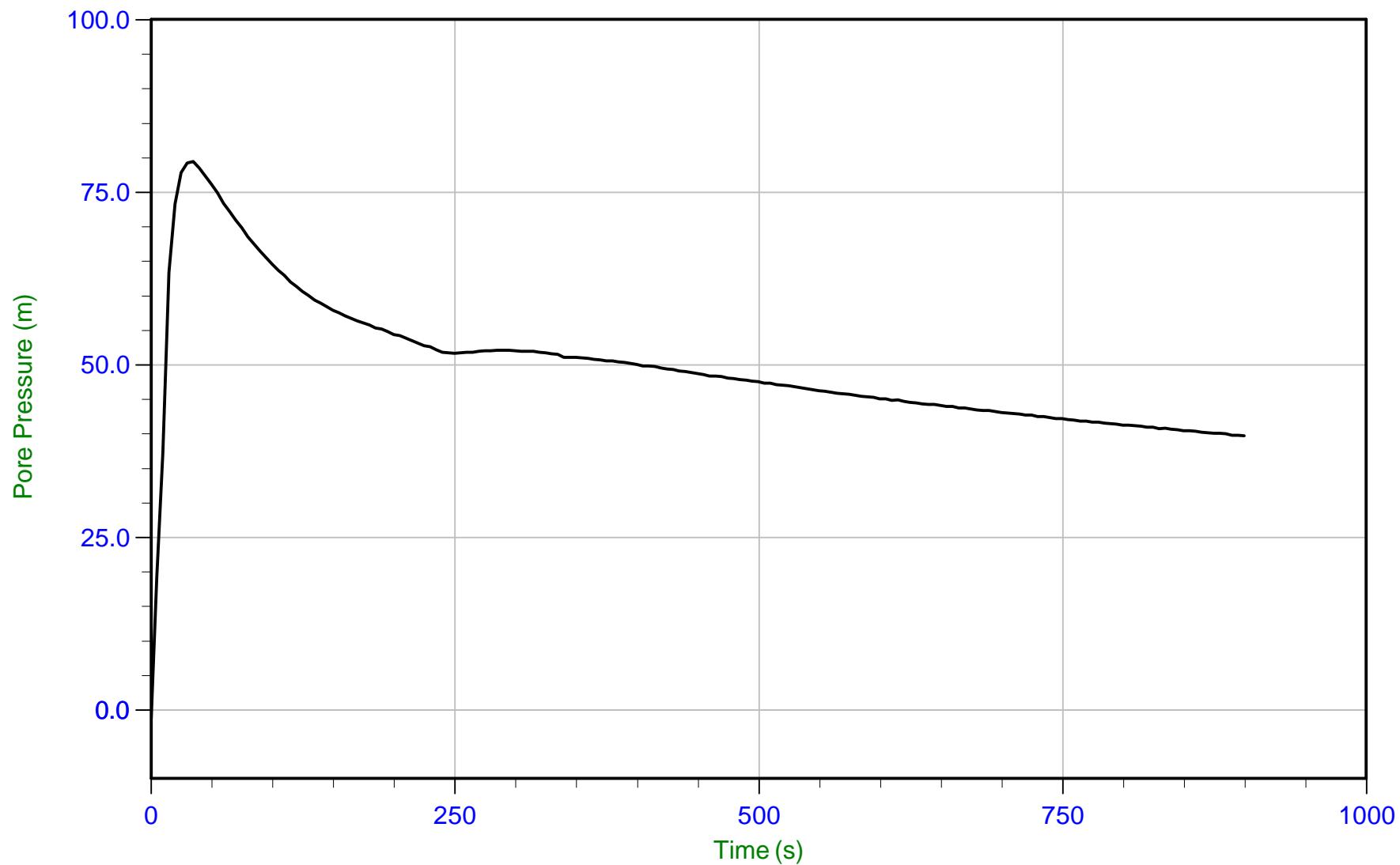
U Max: 16.0 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/25/2014 08:41
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-16
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS16c.PPF
Depth: 8.975 m / 29.445 ft U Min: -1.3 m
Duration: 900.0 s U Max: 79.4 m

CONETEC

Mount Polley

Job No: 14-02091

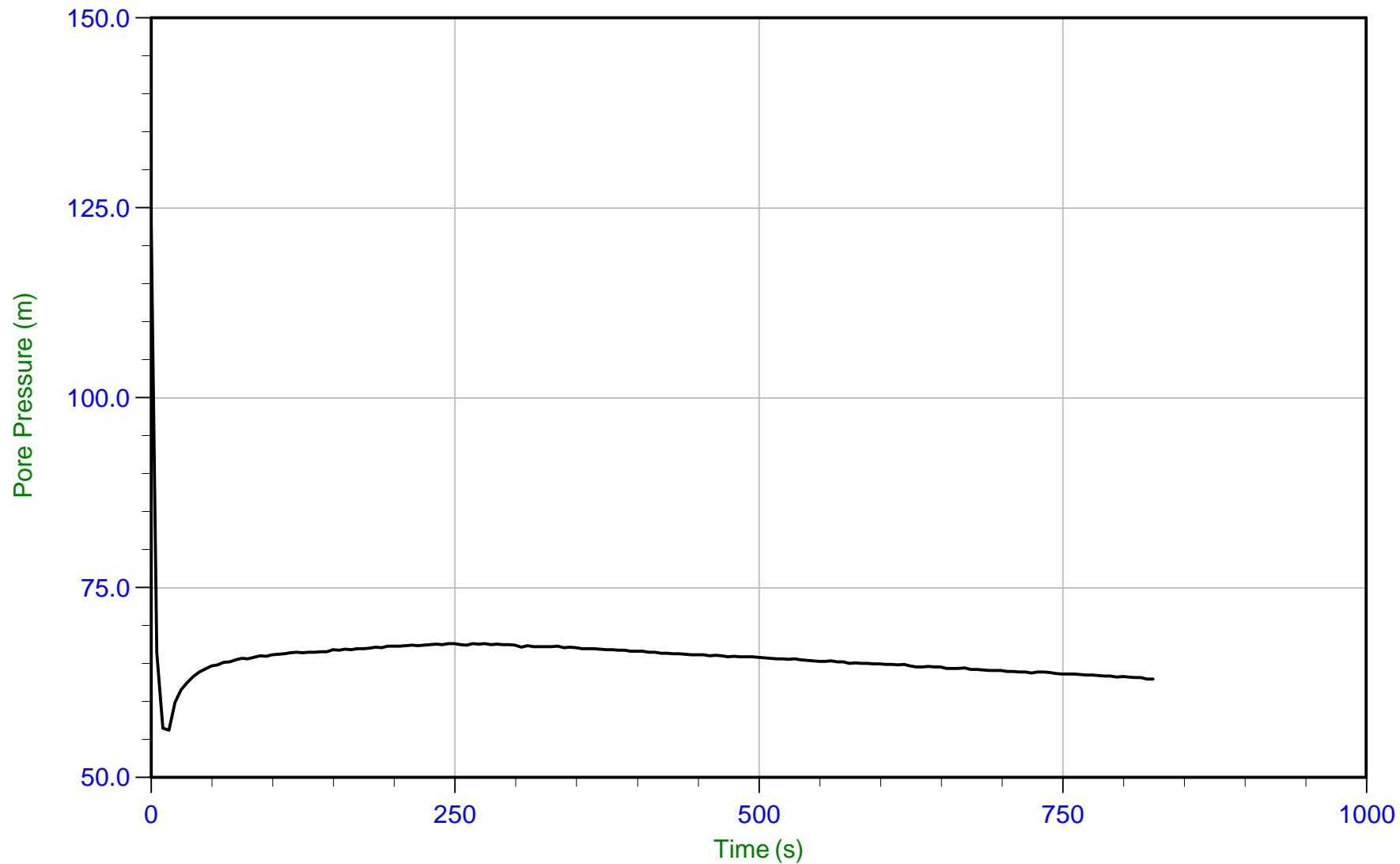
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 4.400 m / 14.436 ft

Duration: 825.0 s

U Min: 56.2 m

U Max: 122.6 m

CONETEC

Mount Polley

Job No: 14-02091

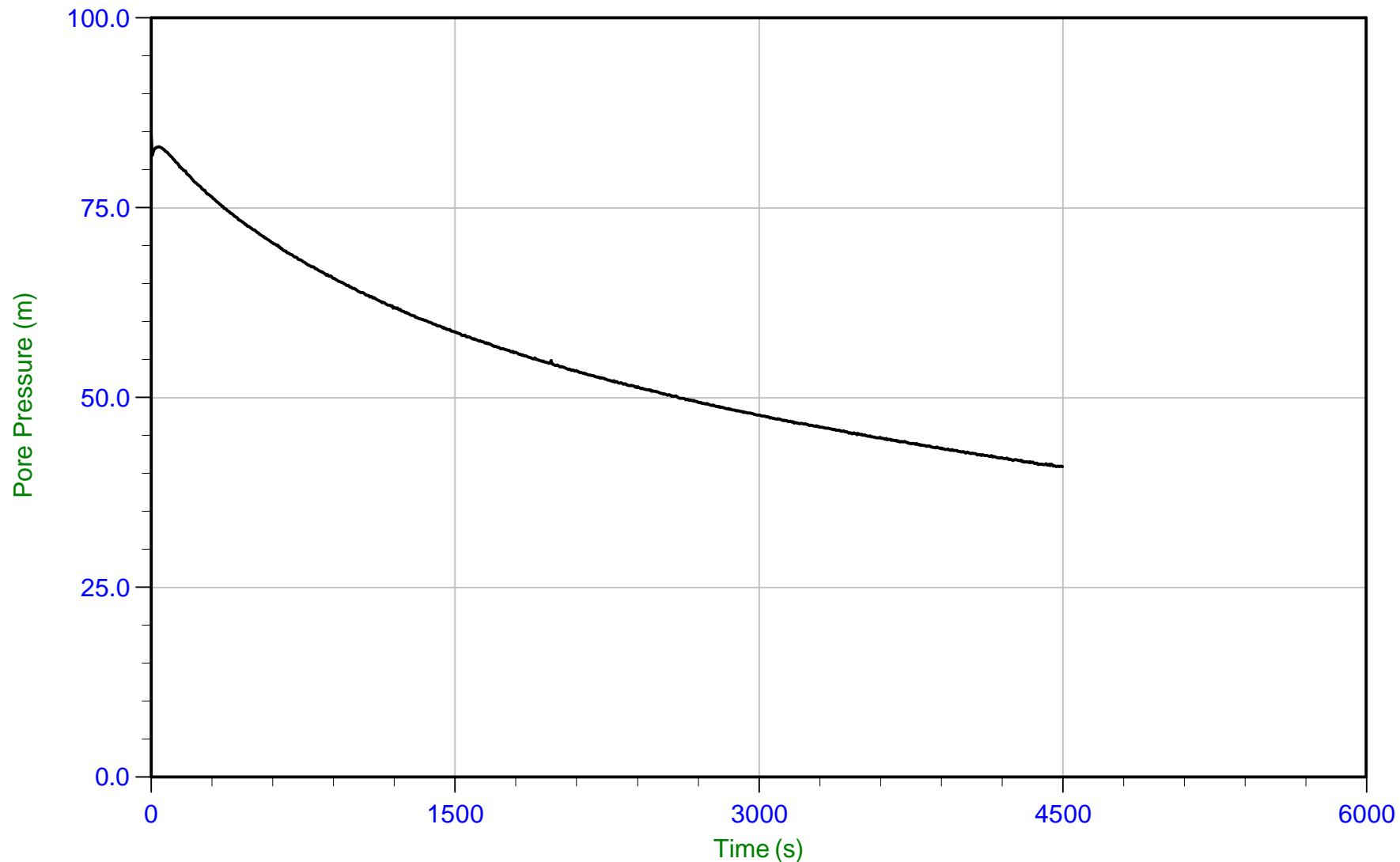
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 4.975 m / 16.322 ft

Duration: 4500.0 s

U Min: 40.9 m

U Max: 84.4 m

CONETEC

Mount Polley

Job No: 14-02091

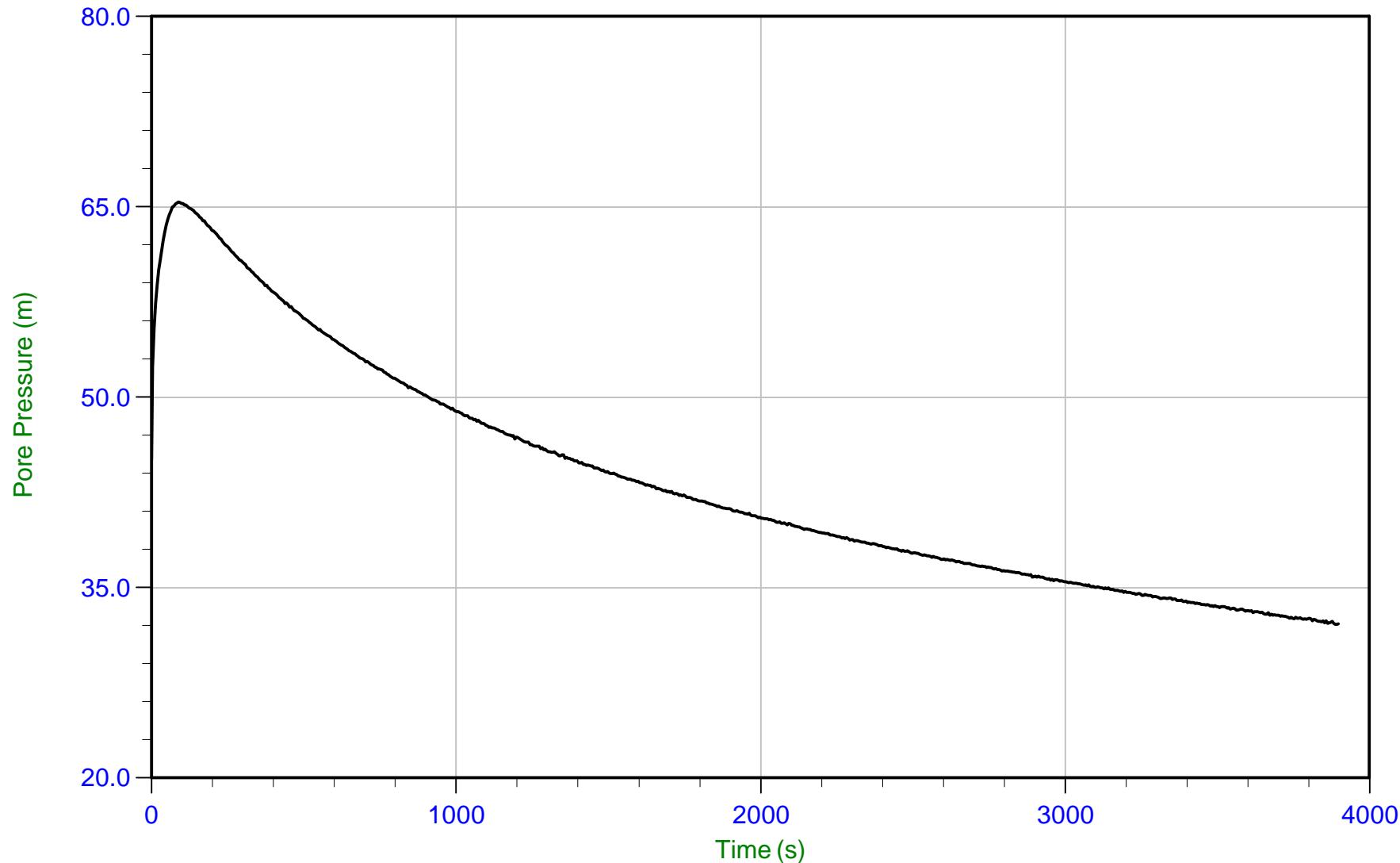
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 6.200 m / 20.341 ft

Duration: 3900.0 s

U Min: 32.1 m

U Max: 65.4 m

CONETEC

Mount Polley

Job No: 14-02091

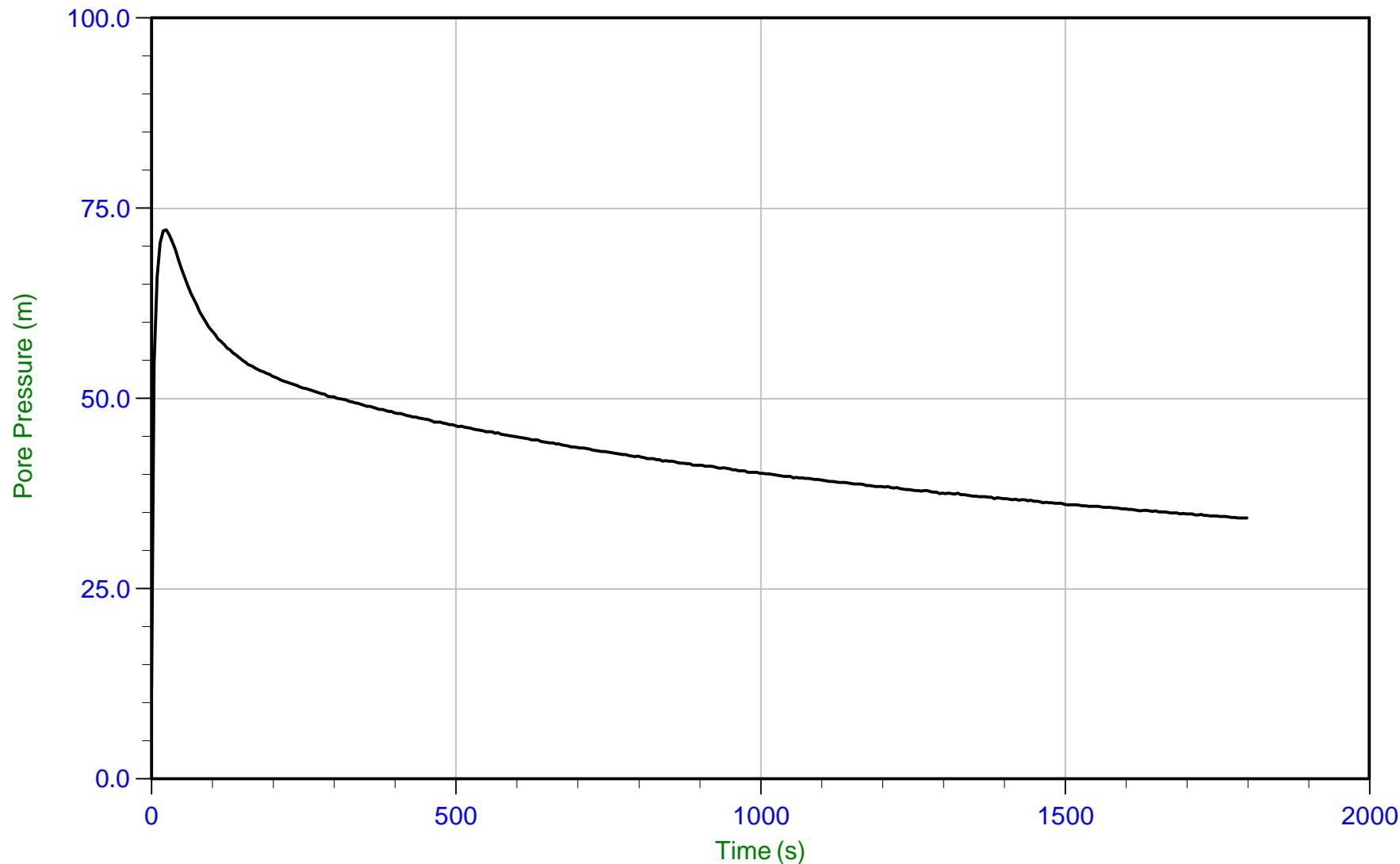
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 9.025 m / 29.609 ft

Duration: 1800.0 s

U Min: 12.0 m

U Max: 72.2 m

CONETEC

Mount Polley

Job No: 14-02091

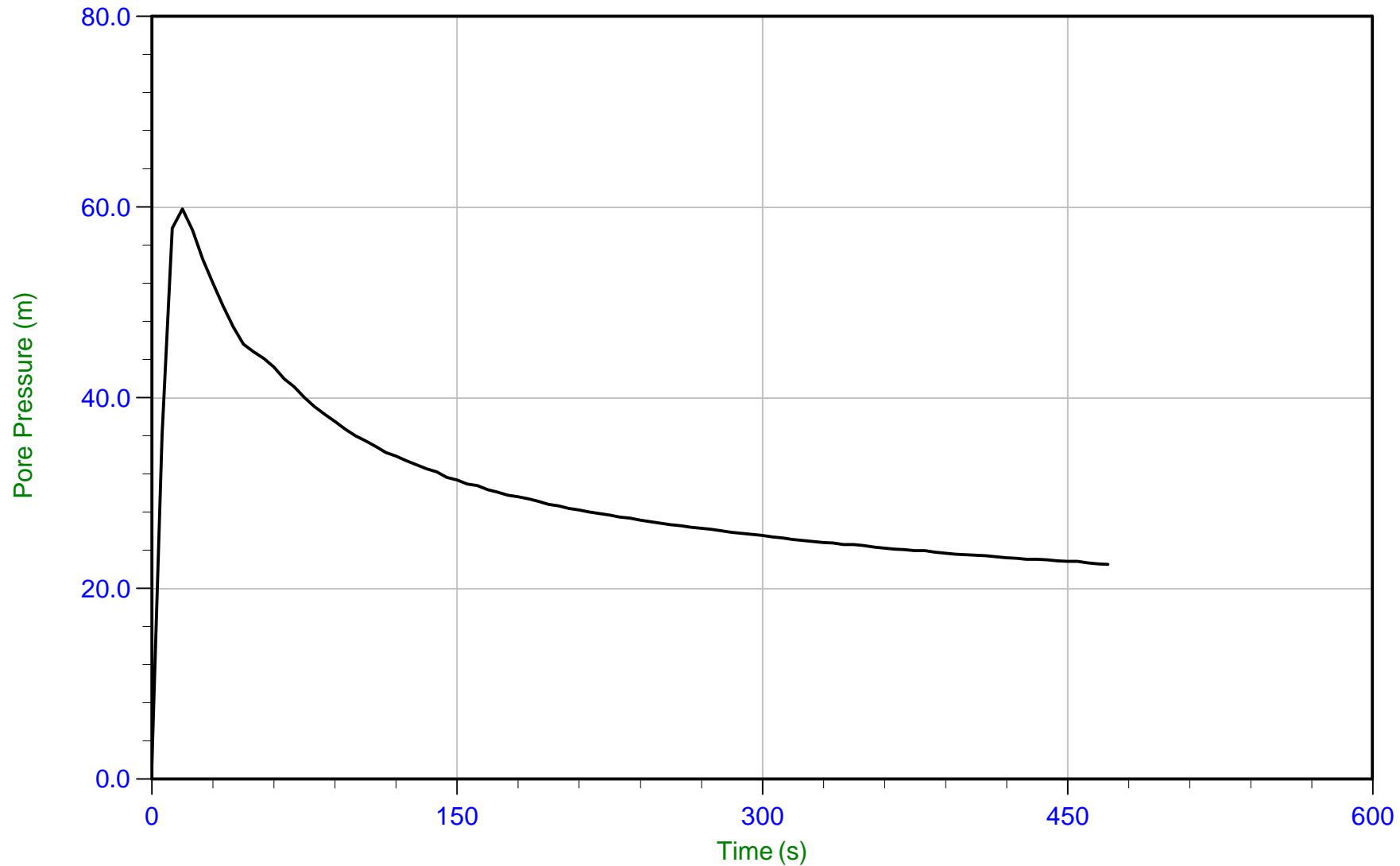
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 11.175 m / 36.663 ft

Duration: 470.0 s

U Min: 1.7 m

U Max: 59.8 m

CONETEC

Mount Polley

Job No: 14-02091

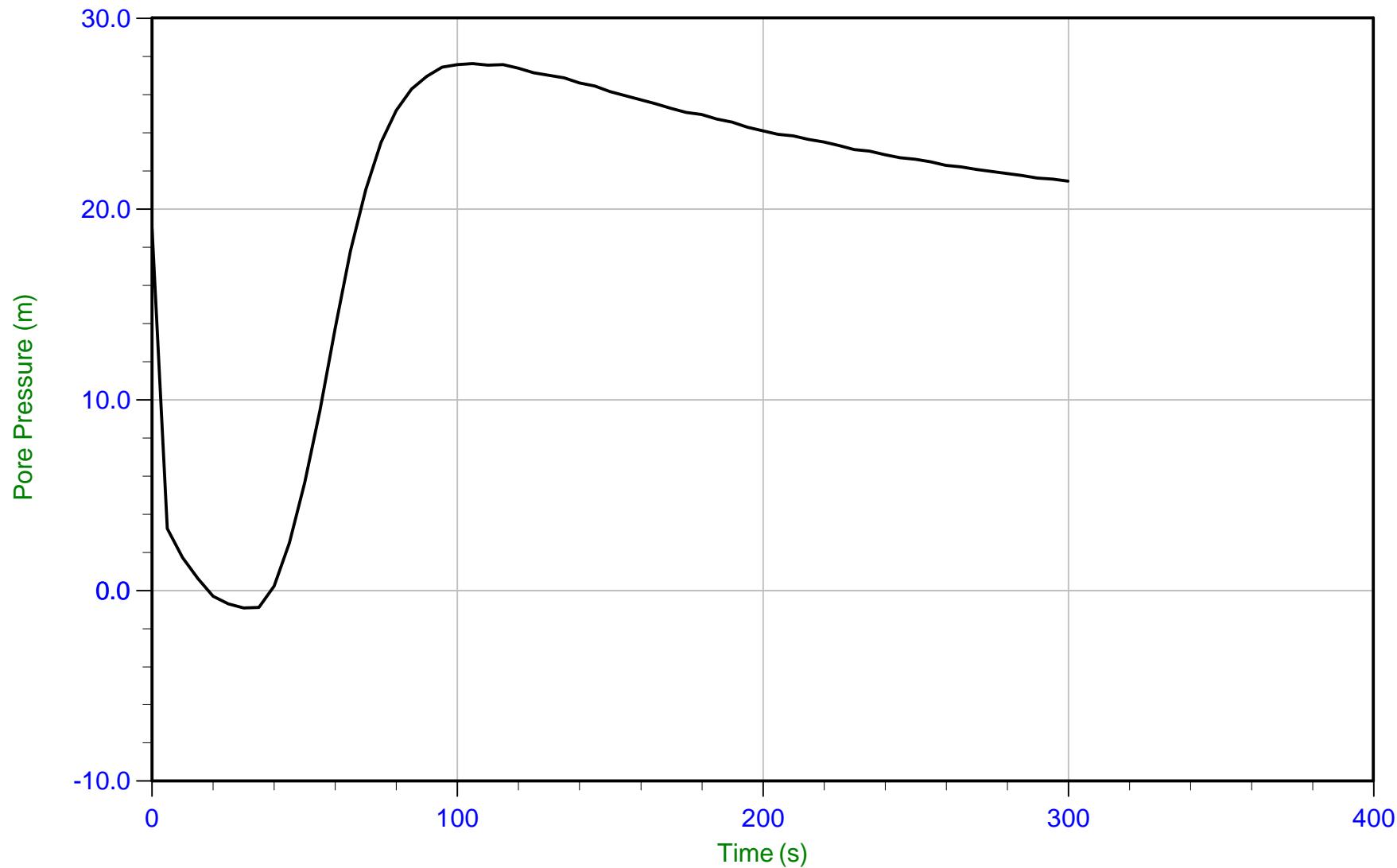
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 11.275 m / 36.991 ft

Duration: 300.0 s

U Min: -0.9 m

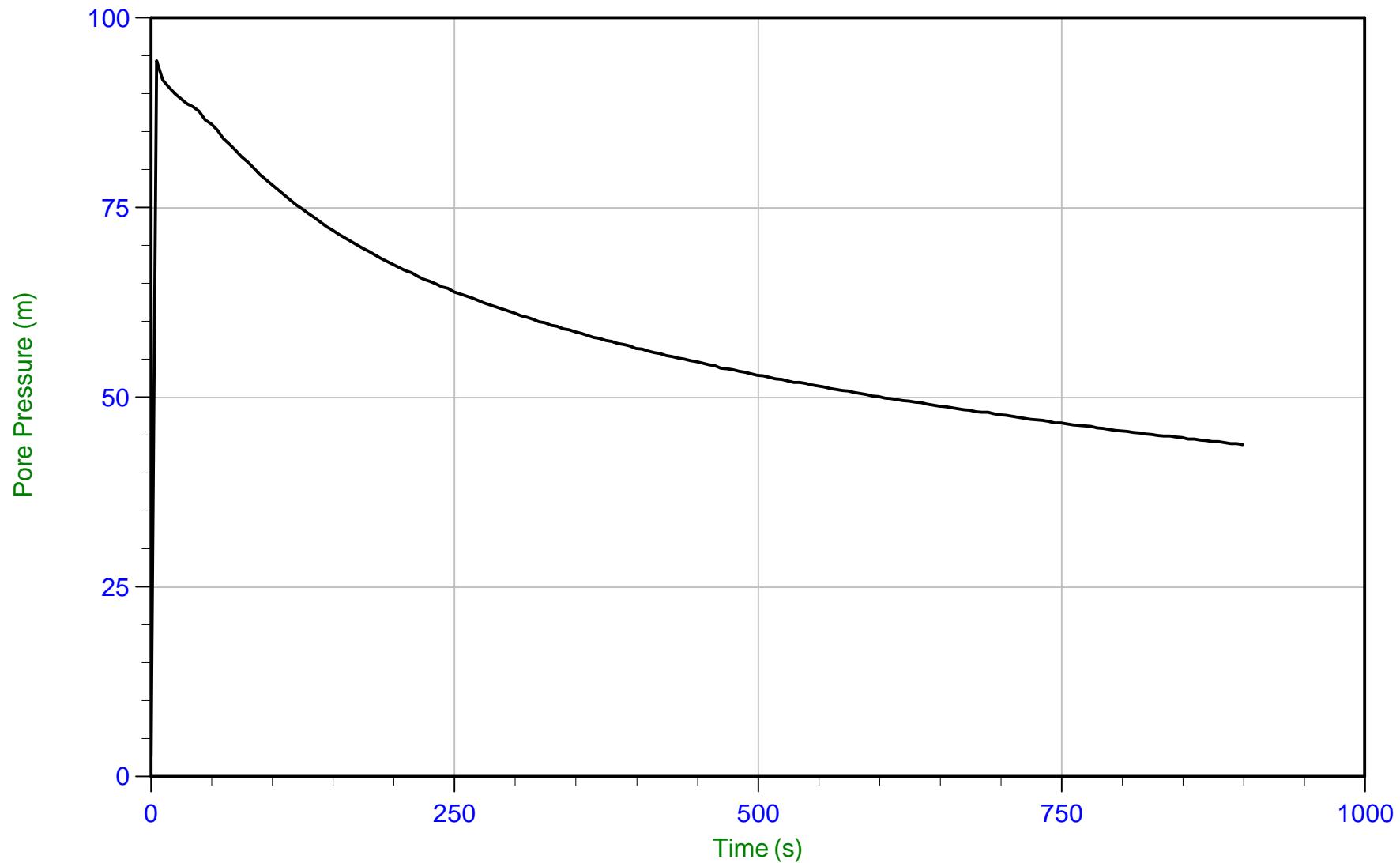
U Max: 27.6 m

CONETEC

Mount Polley

Job No: 14-02091
Date: 10/23/2014 08:29
Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17
Cone: 418:T1500F15U500
Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS17.PPF
Depth: 12.500 m / 41.010 ft U Min: 2.7 m
Duration: 900.0 s U Max: 94.4 m

CONETEC

Mount Polley

Job No: 14-02091

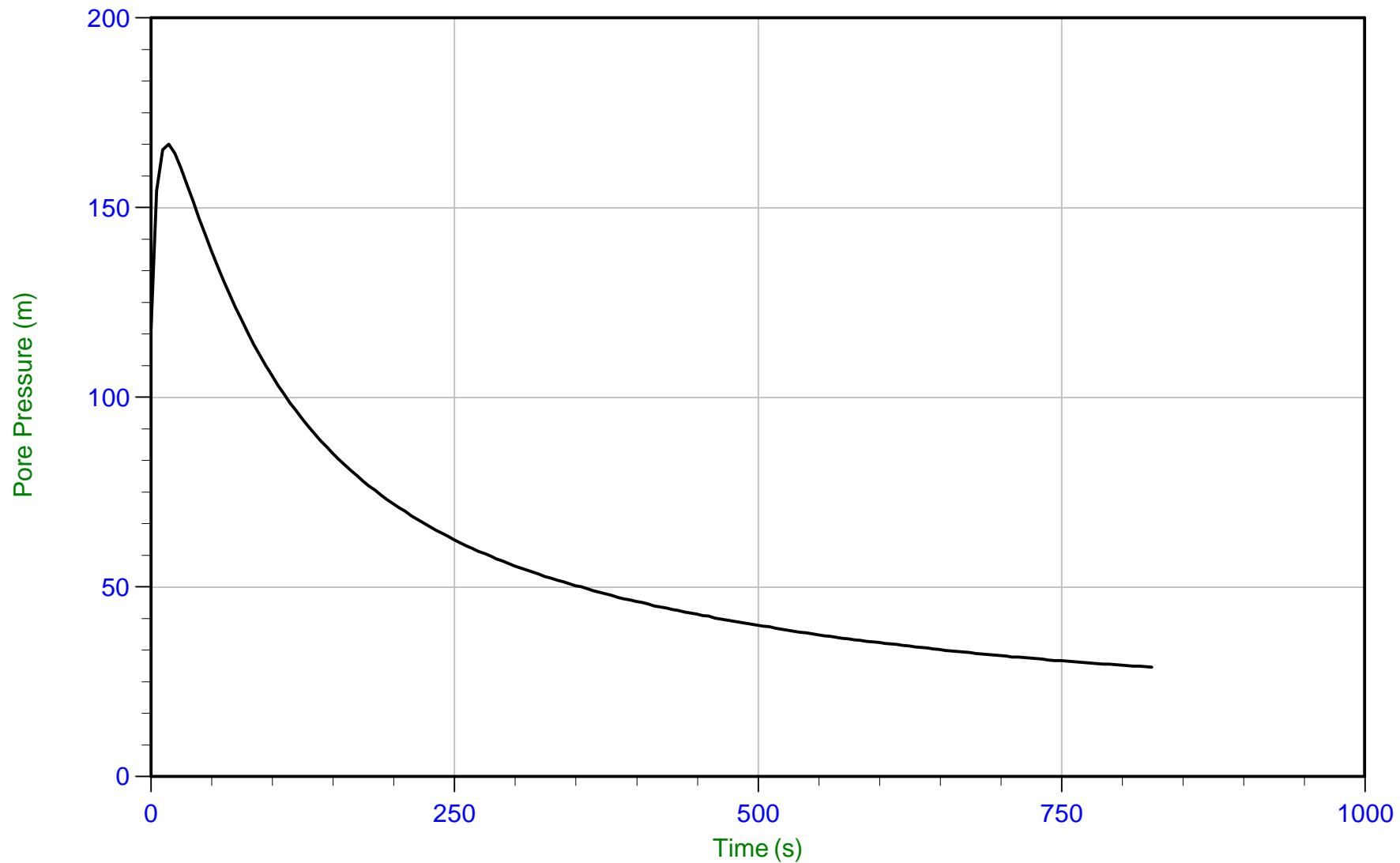
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 12.825 m / 42.076 ft

Duration: 825.0 s

U Min: 28.8 m

U Max: 166.7 m

CONETEC

Mount Polley

Job No: 14-02091

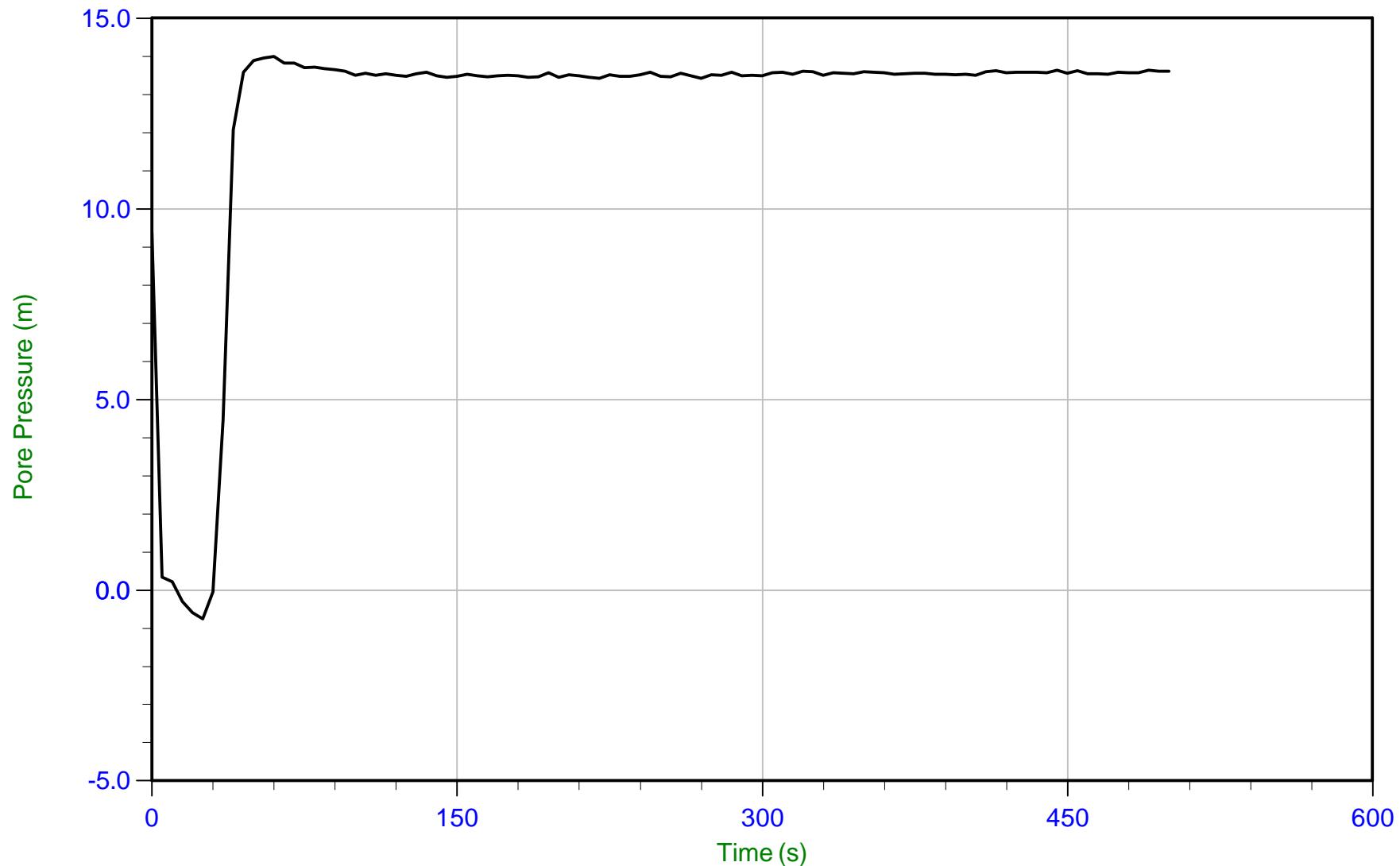
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 13.375 m / 43.881 ft

Duration: 500.0 s

U Min: -0.7 m

U Max: 14.0 m

CONETEC

Mount Polley

Job No: 14-02091

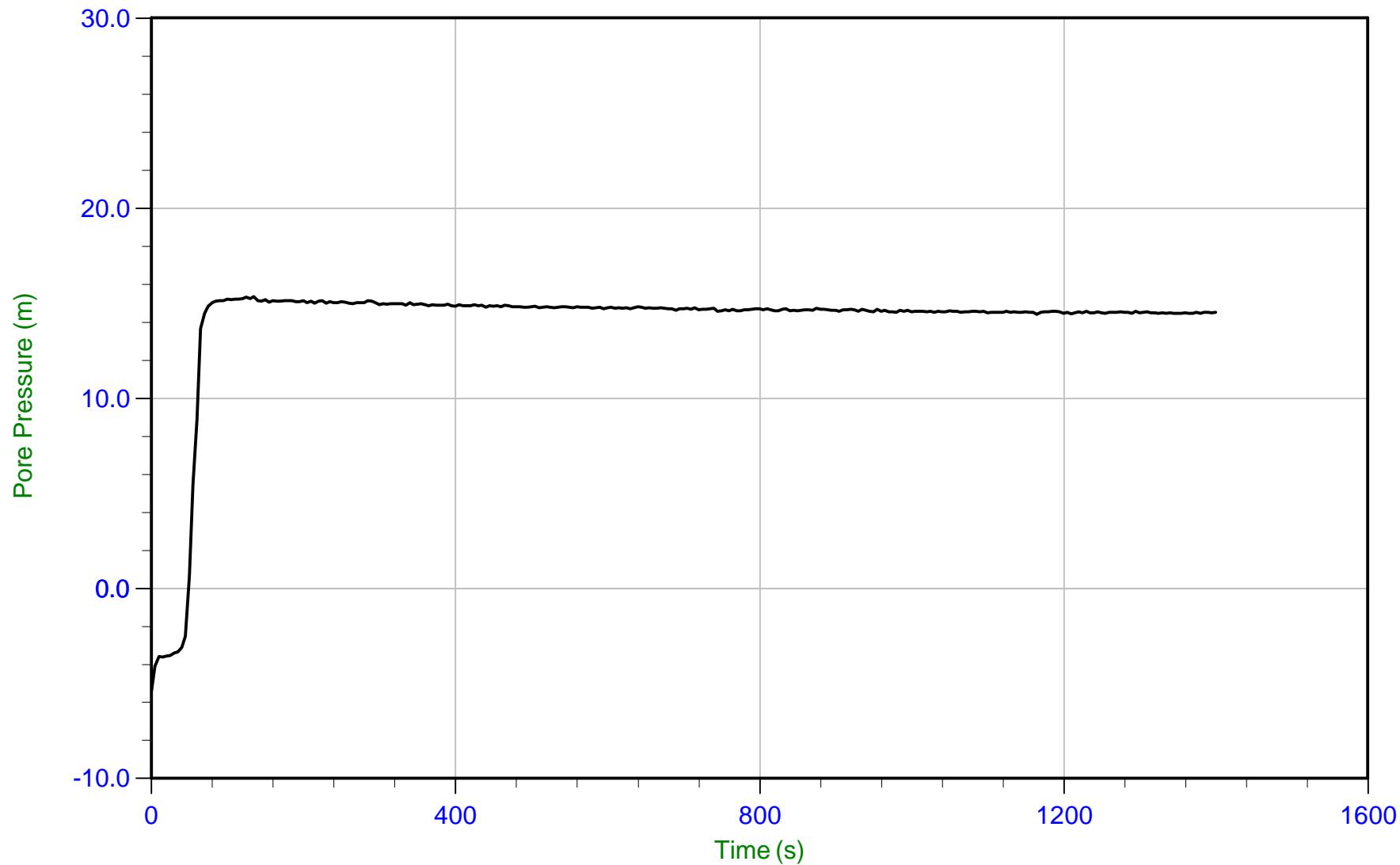
Date: 10/23/2014 08:29

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-17

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS17.PPF

Depth: 13.950 m / 45.767 ft

Duration: 1400.0 s

U Min: -5.4 m

U Max: 15.3 m

CONETEC

Mount Polley

Job No: 14-02091

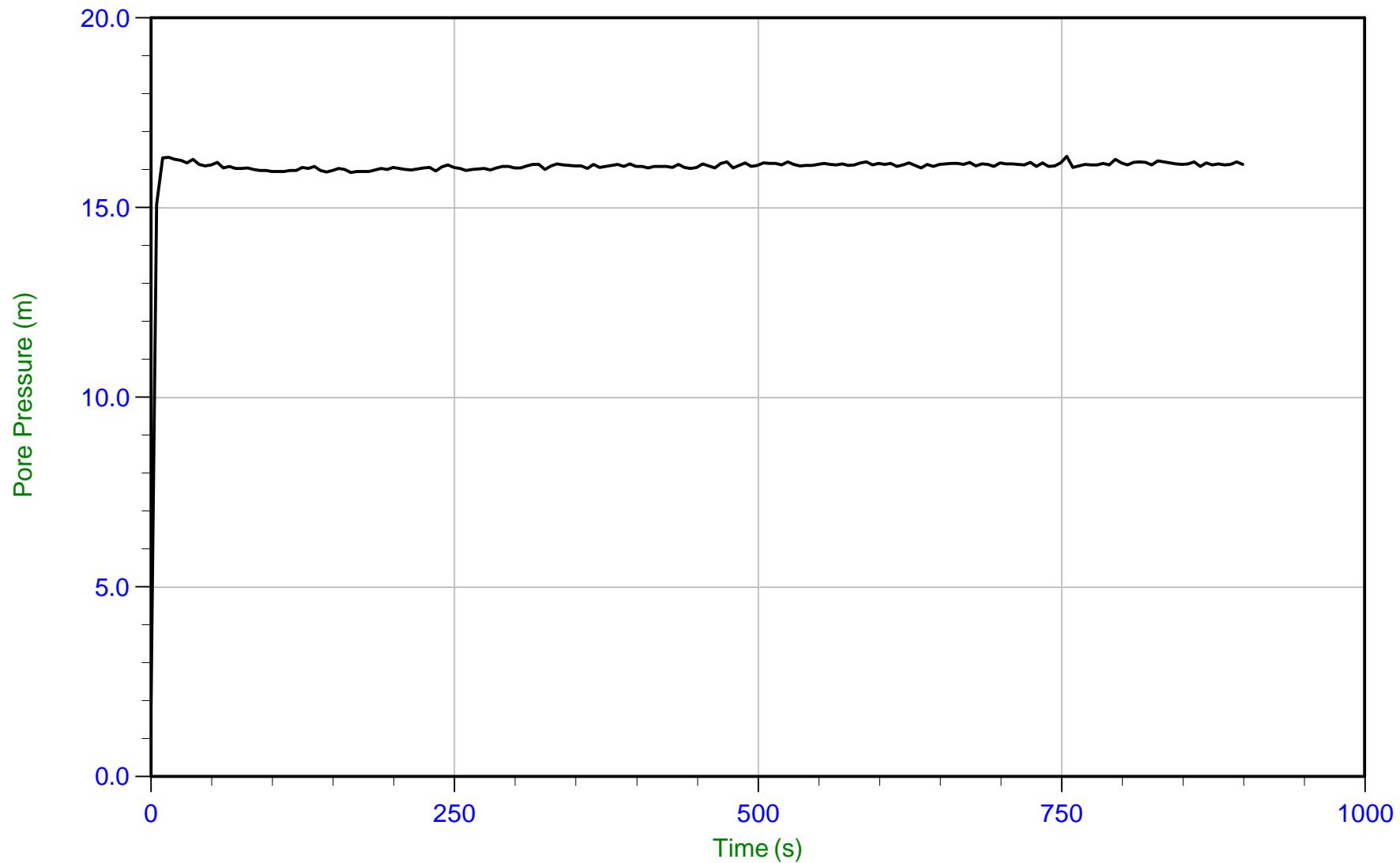
Date: 10/24/2014 09:06

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-18

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

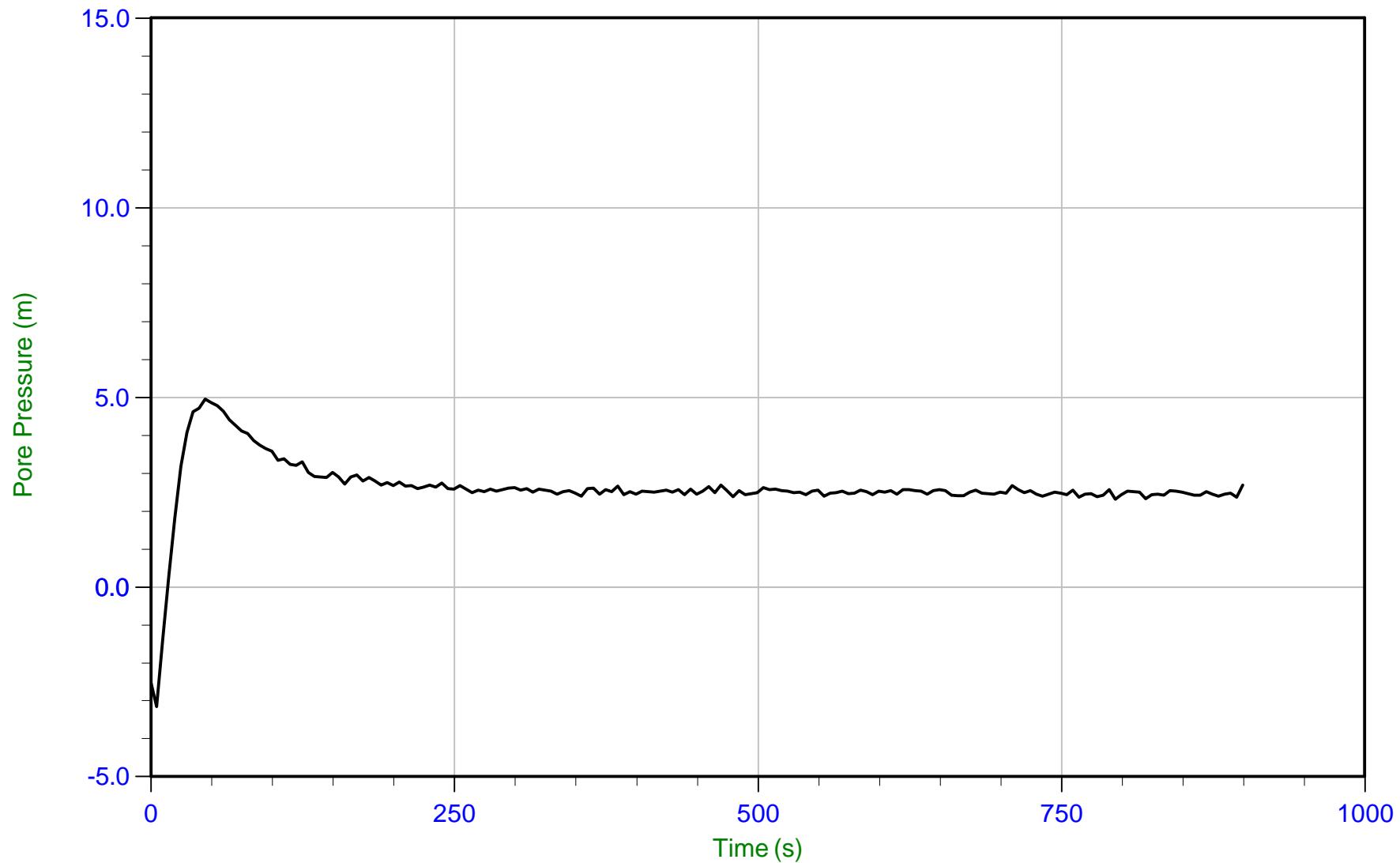
Filename: 14-02091_RS18.PPF

Depth: 11.850 m / 38.877 ft

Duration: 900.0 s

U Min: 1.9 m

U Max: 16.4 m



Trace Summary:

Filename: 14-02091_RS19.PPF

Depth: 4.400 m / 14.436 ft

Duration: 900.0 s

U Min: -3.1 m

U Max: 5.0 m

CONETEC

Mount Polley

Job No: 14-02091

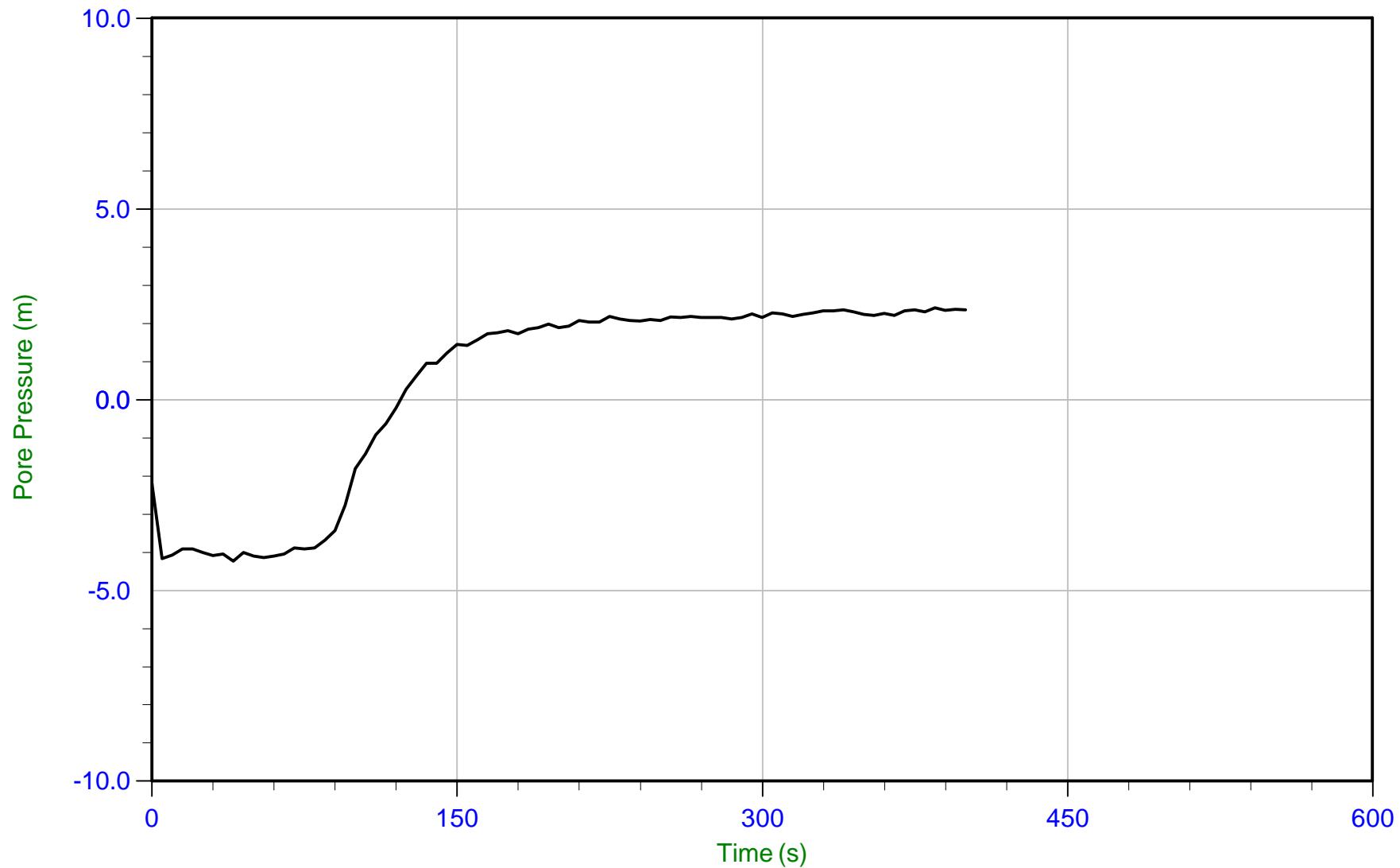
Date: 10/24/2014 12:54

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-19

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS19.PPF

Depth: 4.525 m / 14.846 ft

Duration: 400.0 s

U Min: -4.2 m

U Max: 2.4 m

CONETEC

Mount Polley

Job No: 14-02091

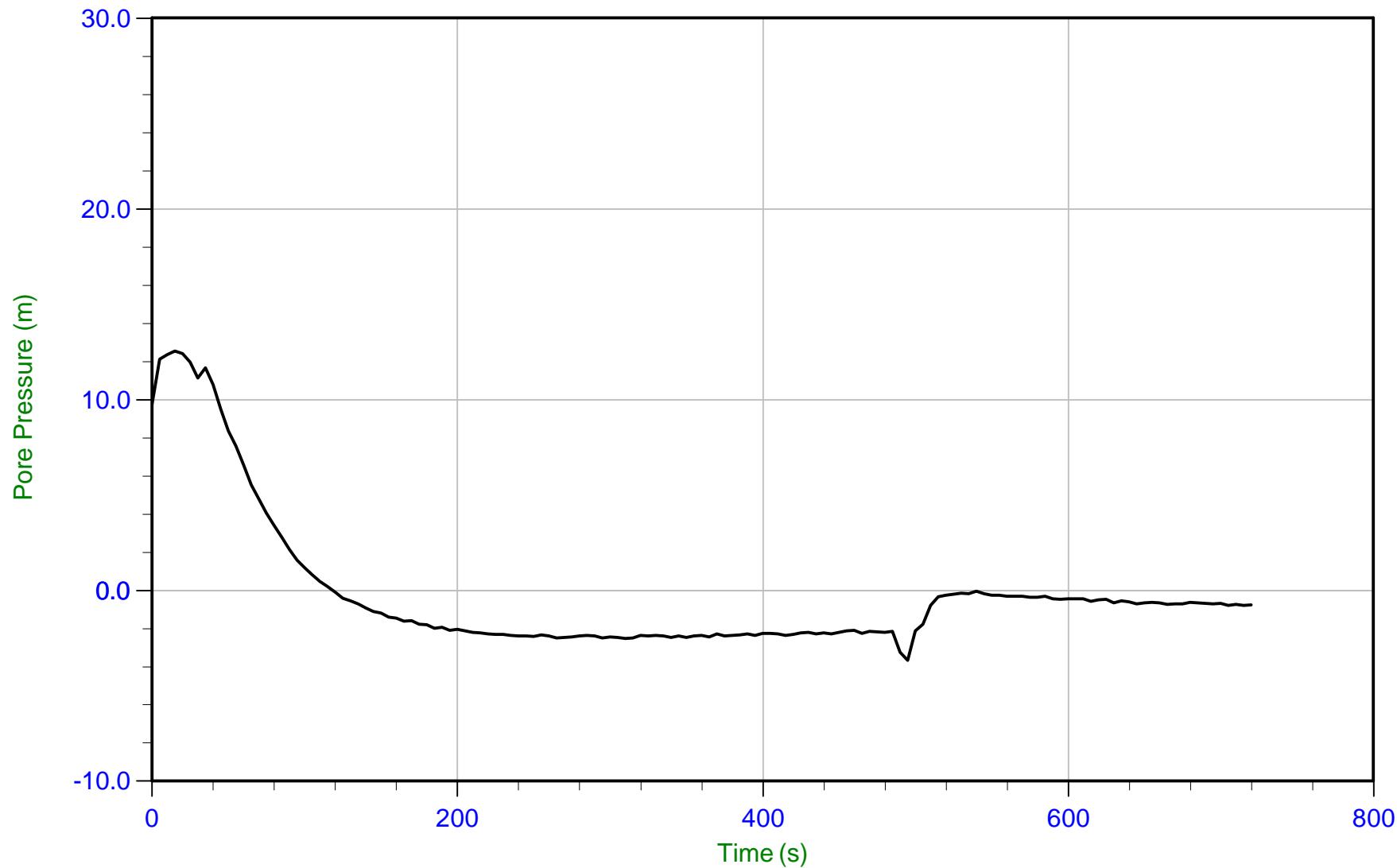
Date: 10/24/2014 12:54

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-19

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

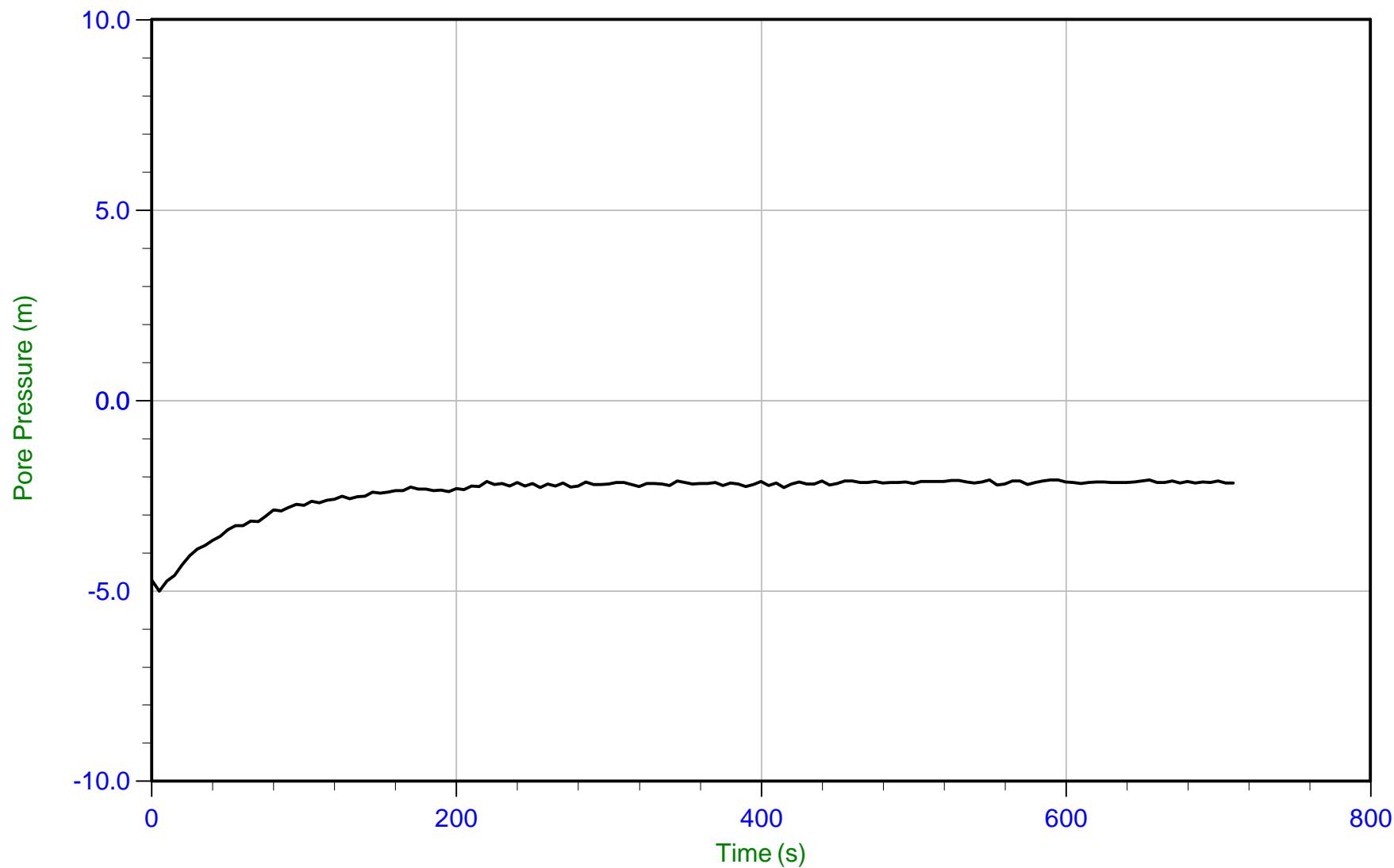
Filename: 14-02091_RS19.PPF

Depth: 4.650 m / 15.256 ft

Duration: 720.0 s

U Min: -3.7 m

U Max: 12.6 m



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 3.325 m / 10.909 ft

Duration: 710.0 s

U Min: -5.0 m

U Max: -2.1 m

CONETEC

Mount Polley

Job No: 14-02091

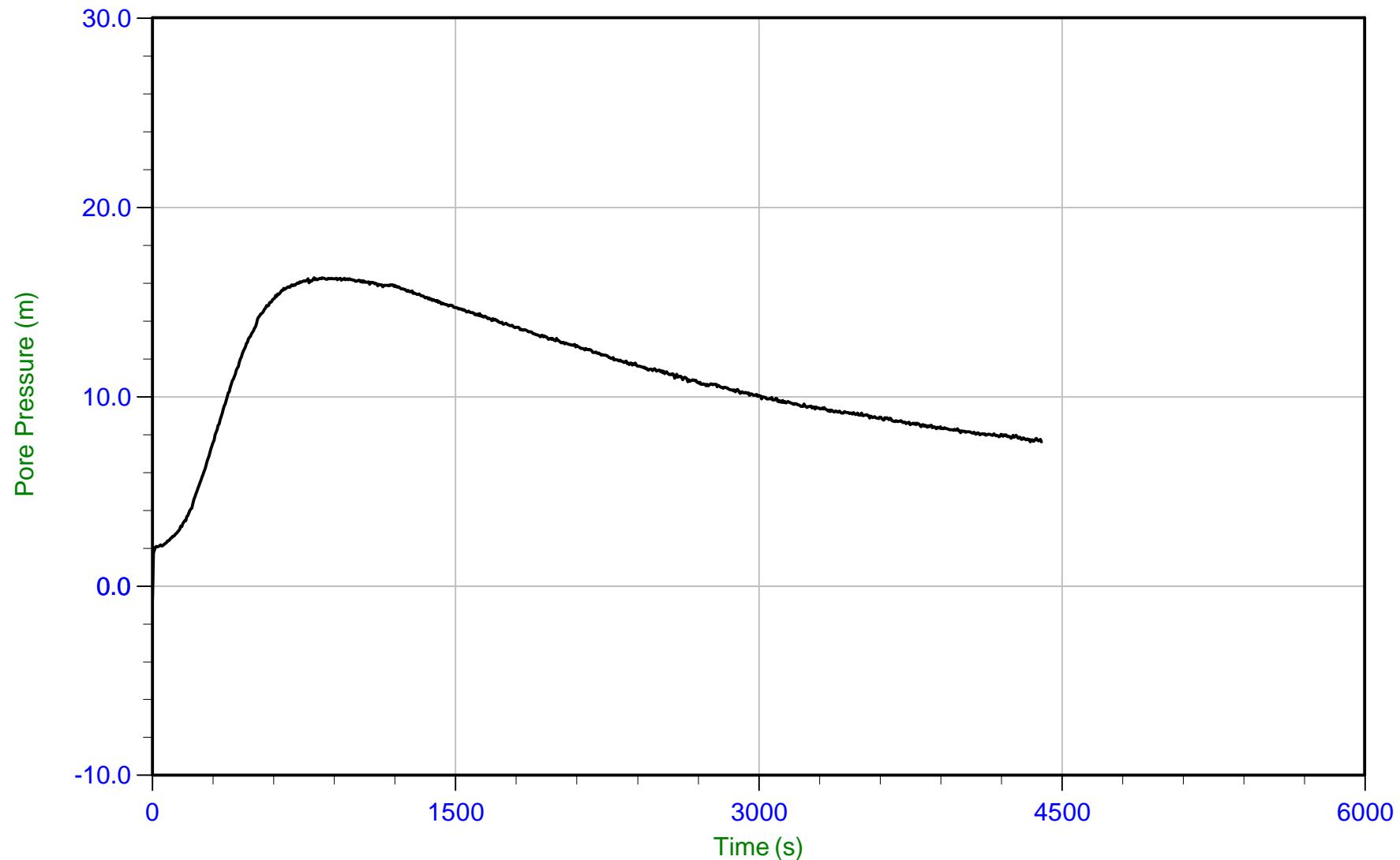
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 5.000 m / 16.404 ft

Duration: 4400.0 s

U Min: -0.7 m

U Max: 16.3 m

CONETEC

Mount Polley

Job No: 14-02091

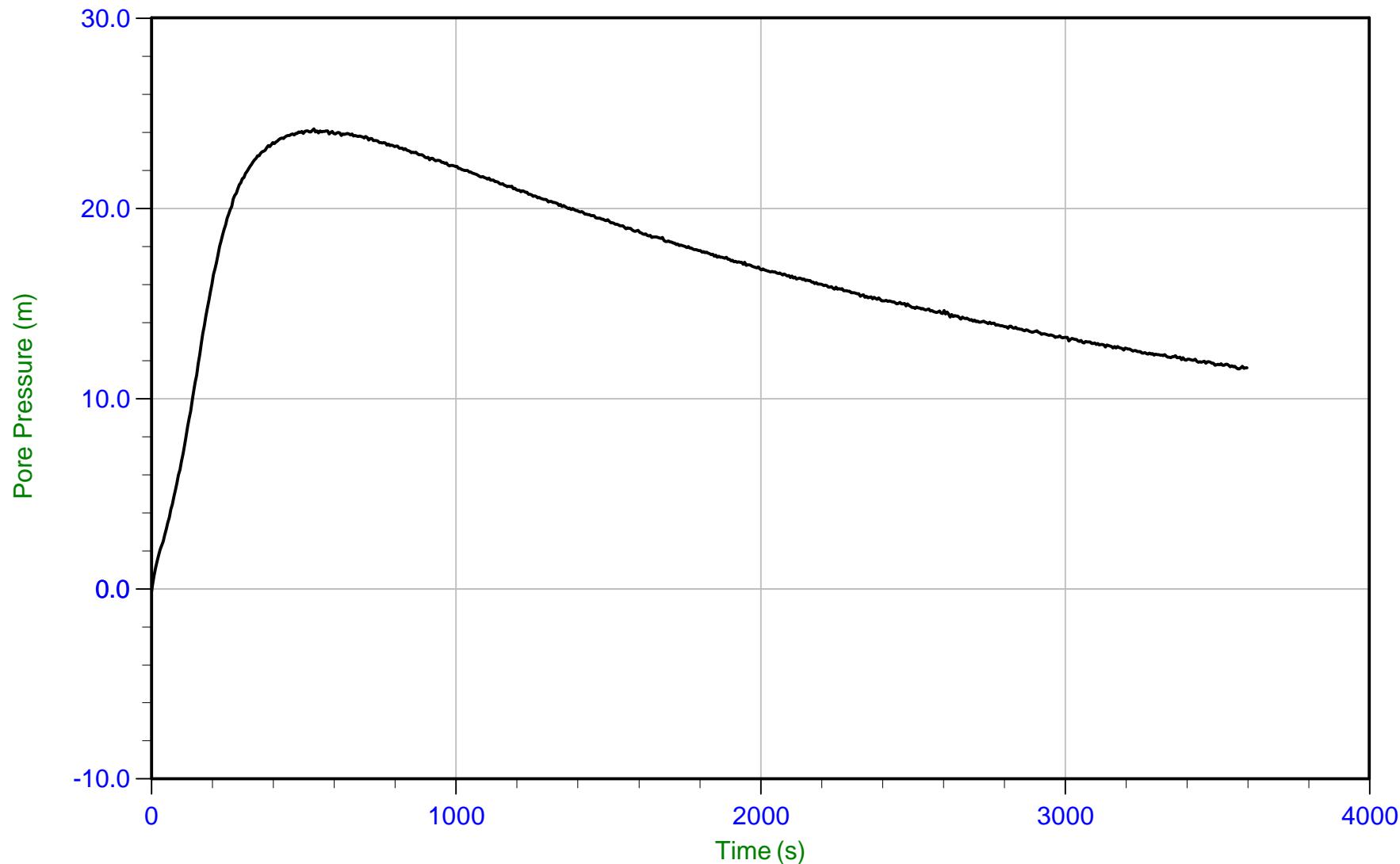
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 10.000 m / 32.808 ft

Duration: 3600.0 s

U Min: -0.2 m

U Max: 24.2 m

CONETEC

Mount Polley

Job No: 14-02091

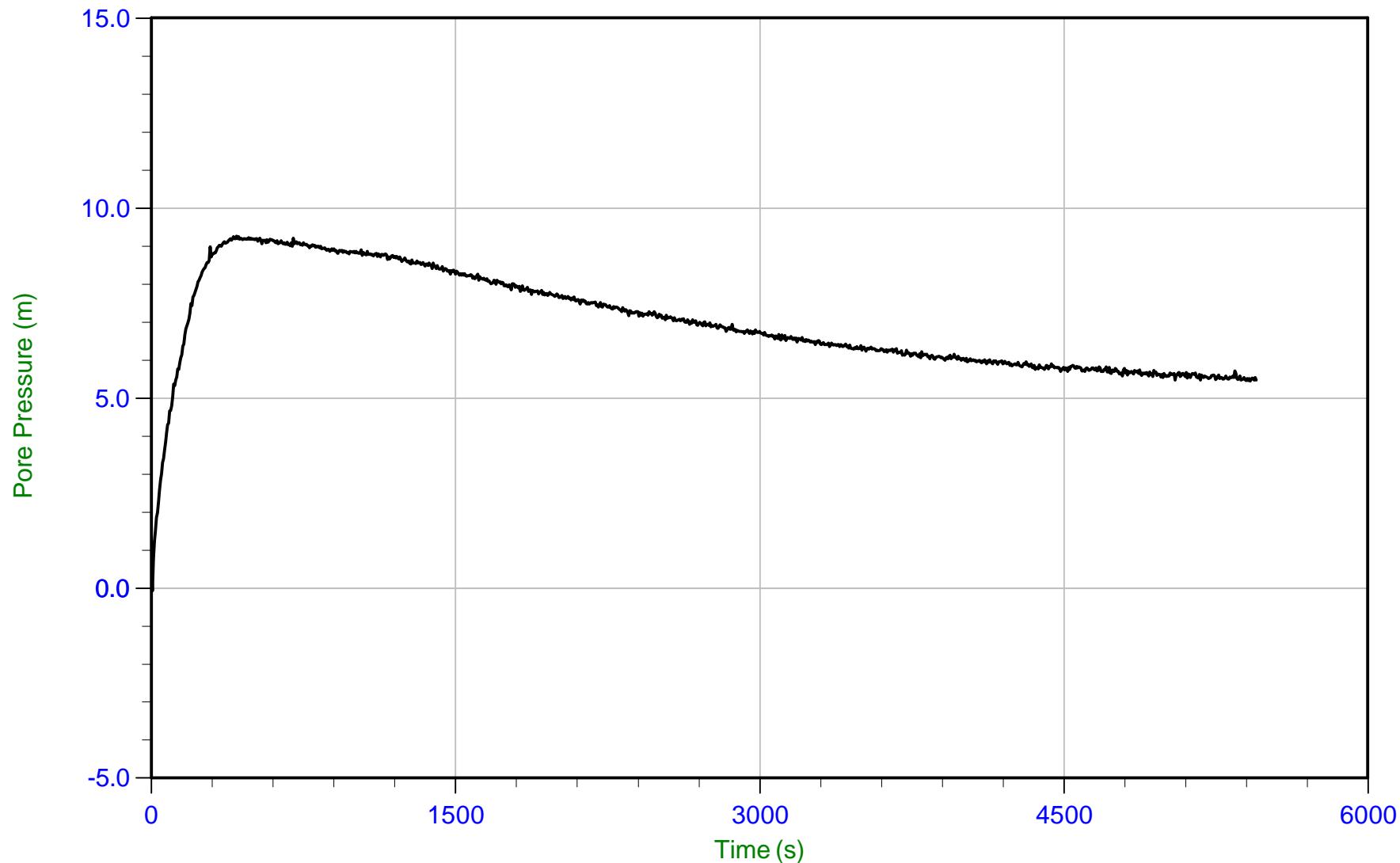
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS21.PPF
Depth: 15.000 m / 49.212 ft
Duration: 5450.0 s

U Min: -0.1 m
U Max: 9.3 m

CONETEC

Mount Polley

Job No: 14-02091

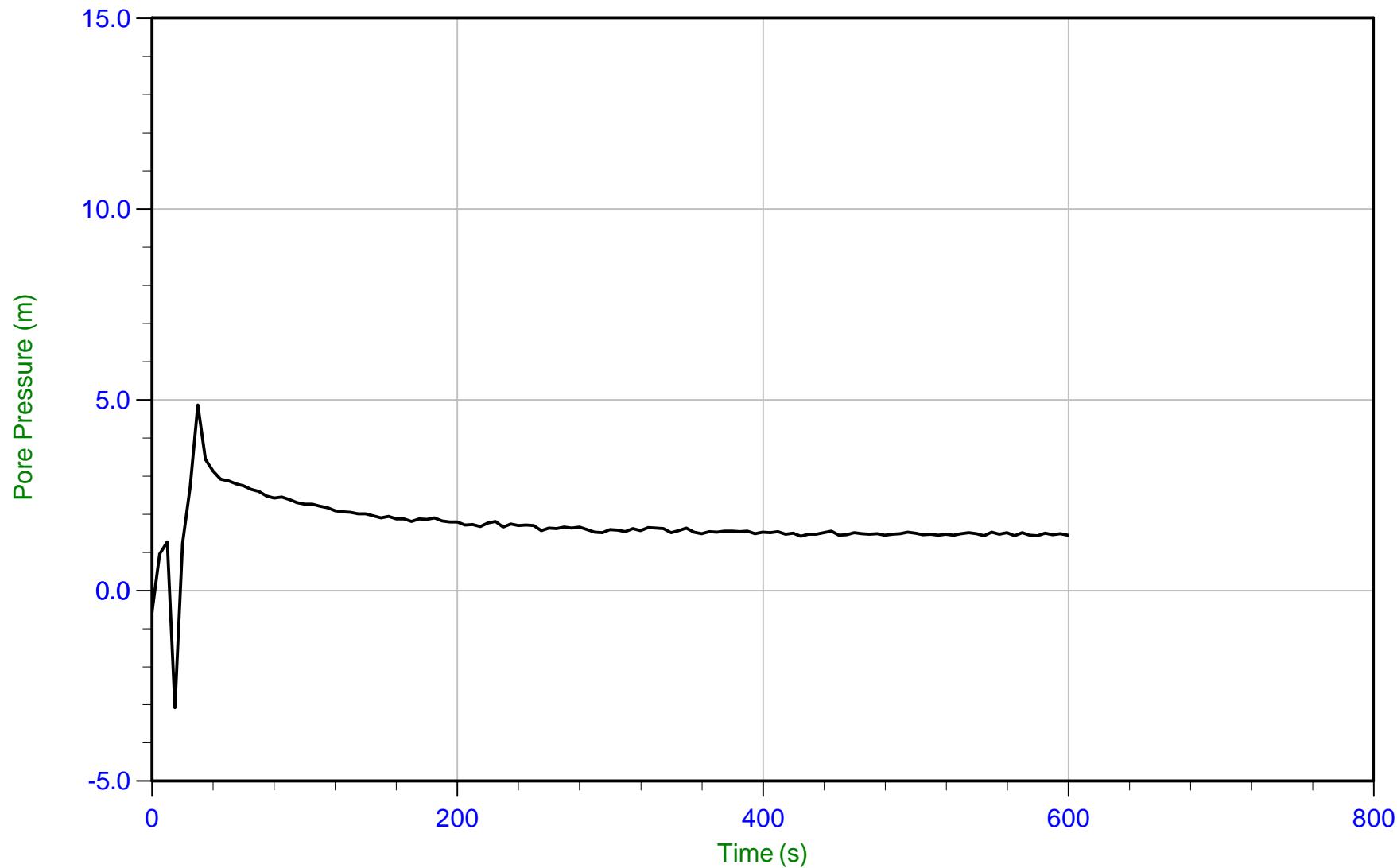
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 15.650 m / 51.345 ft

Duration: 600.0 s

U Min: -3.1 m

U Max: 4.9 m

CONETEC

Mount Polley

Job No: 14-02091

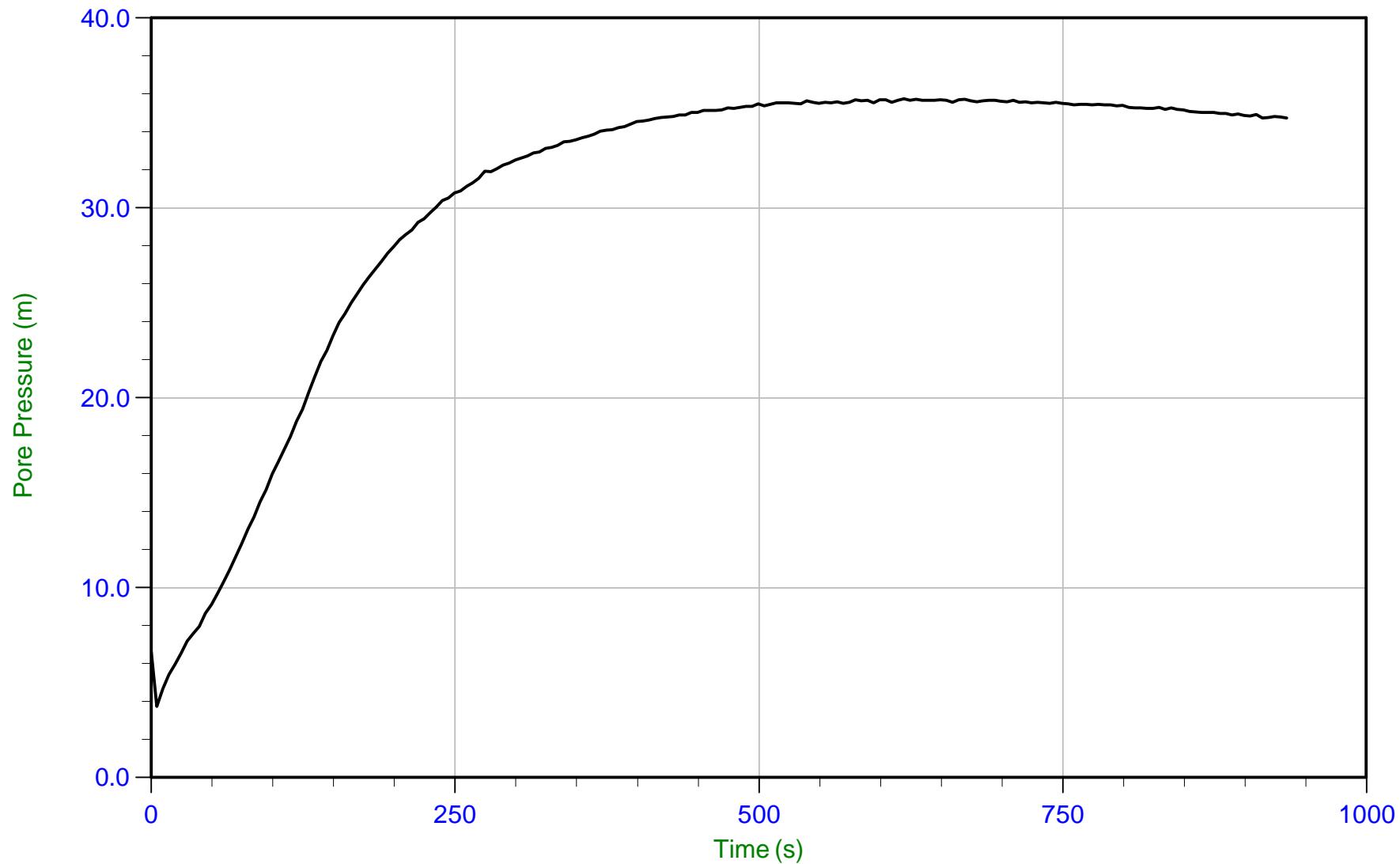
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 21.525 m / 70.619 ft

Duration: 935.0 s

U Min: 3.7 m

U Max: 35.7 m

CONETEC

Mount Polley

Job No: 14-02091

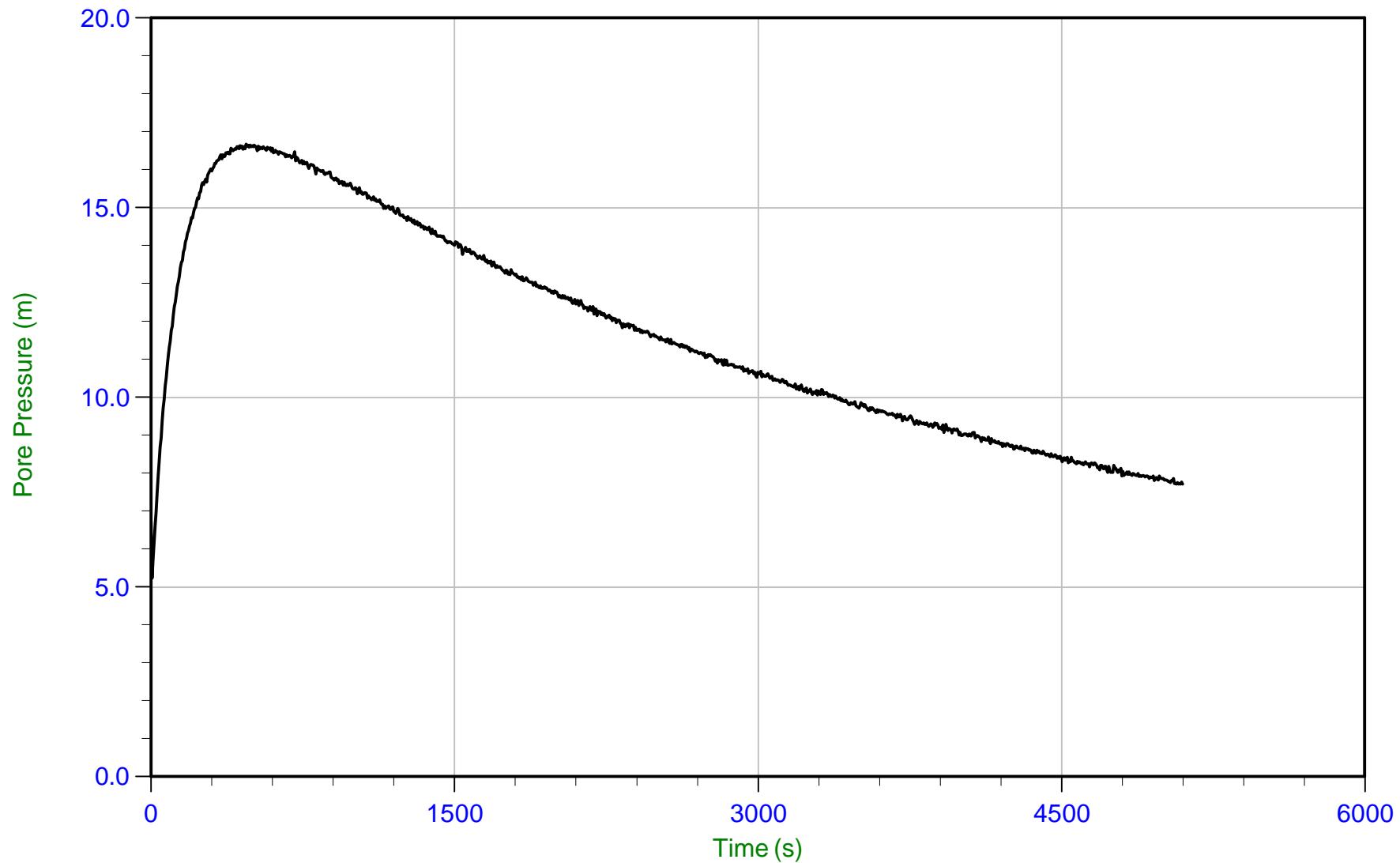
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS21.PPF

Depth: 23.025 m / 75.540 ft

Duration: 5100.0 s

U Min: 5.2 m

U Max: 16.7 m

CONETEC

Mount Polley

Job No: 14-02091

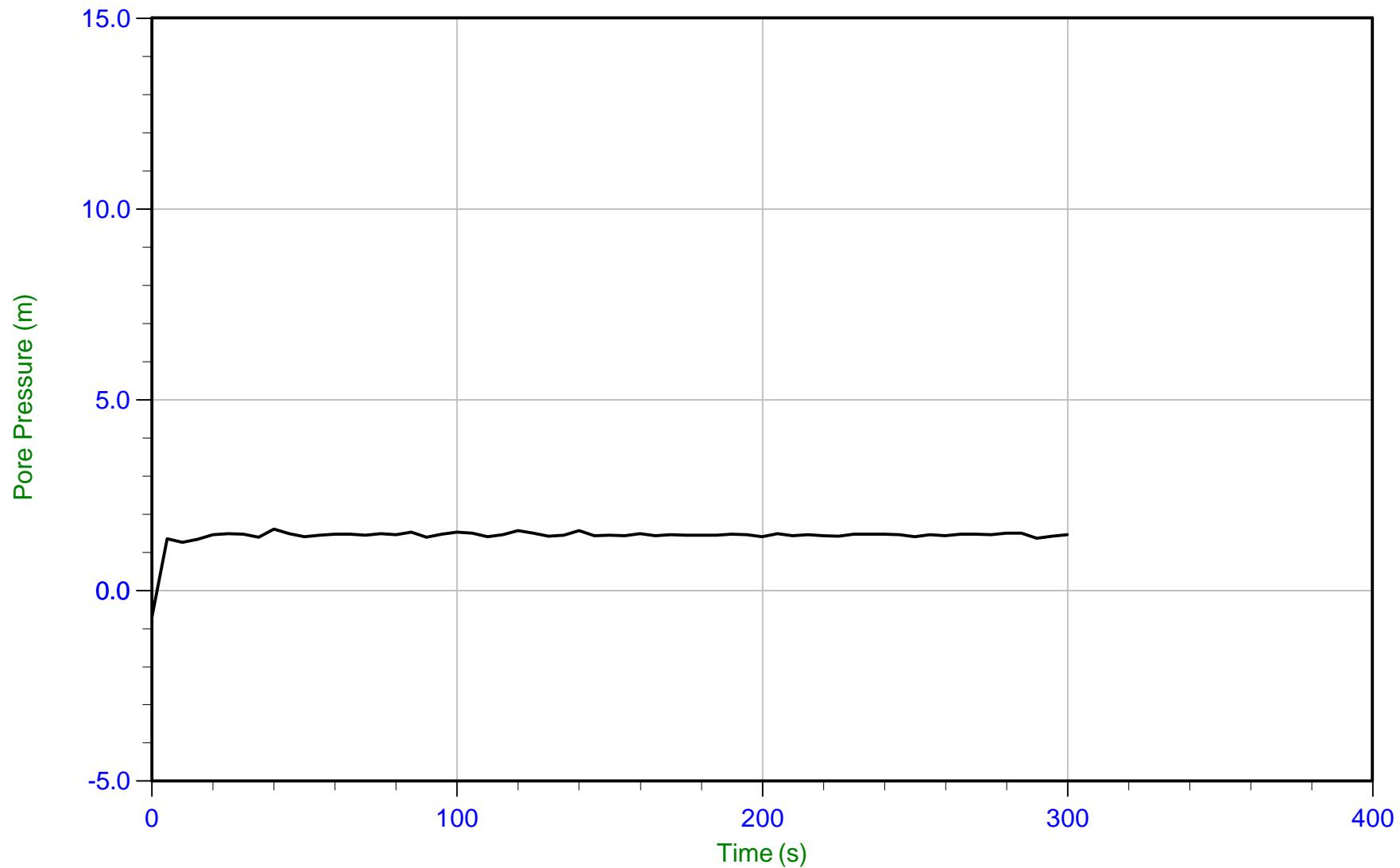
Date: 11/01/2014 08:57

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-21

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

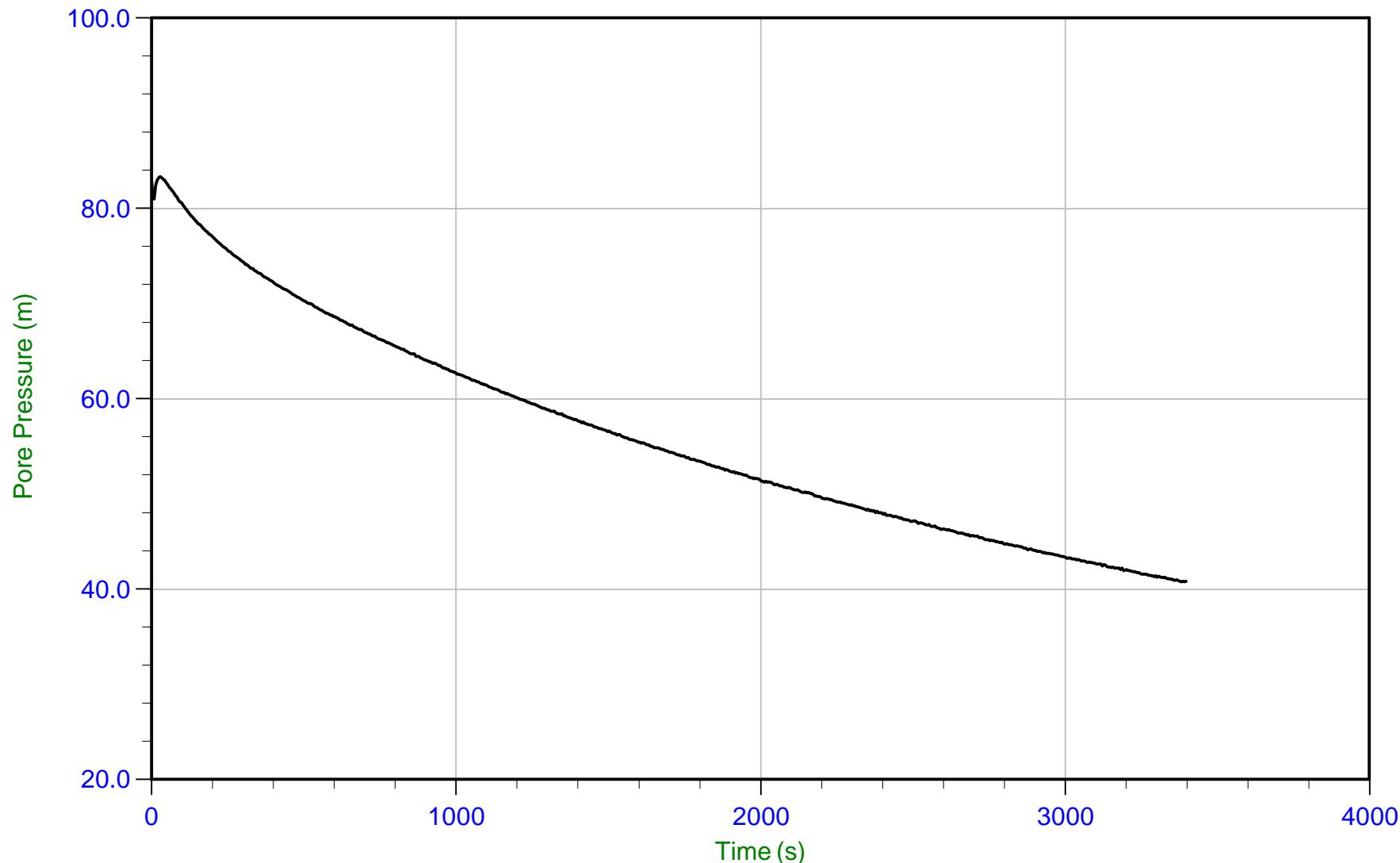
Filename: 14-02091_RS21.PPF

Depth: 25.550 m / 83.824 ft

Duration: 300.0 s

U Min: -0.7 m

U Max: 1.6 m



Trace Summary:

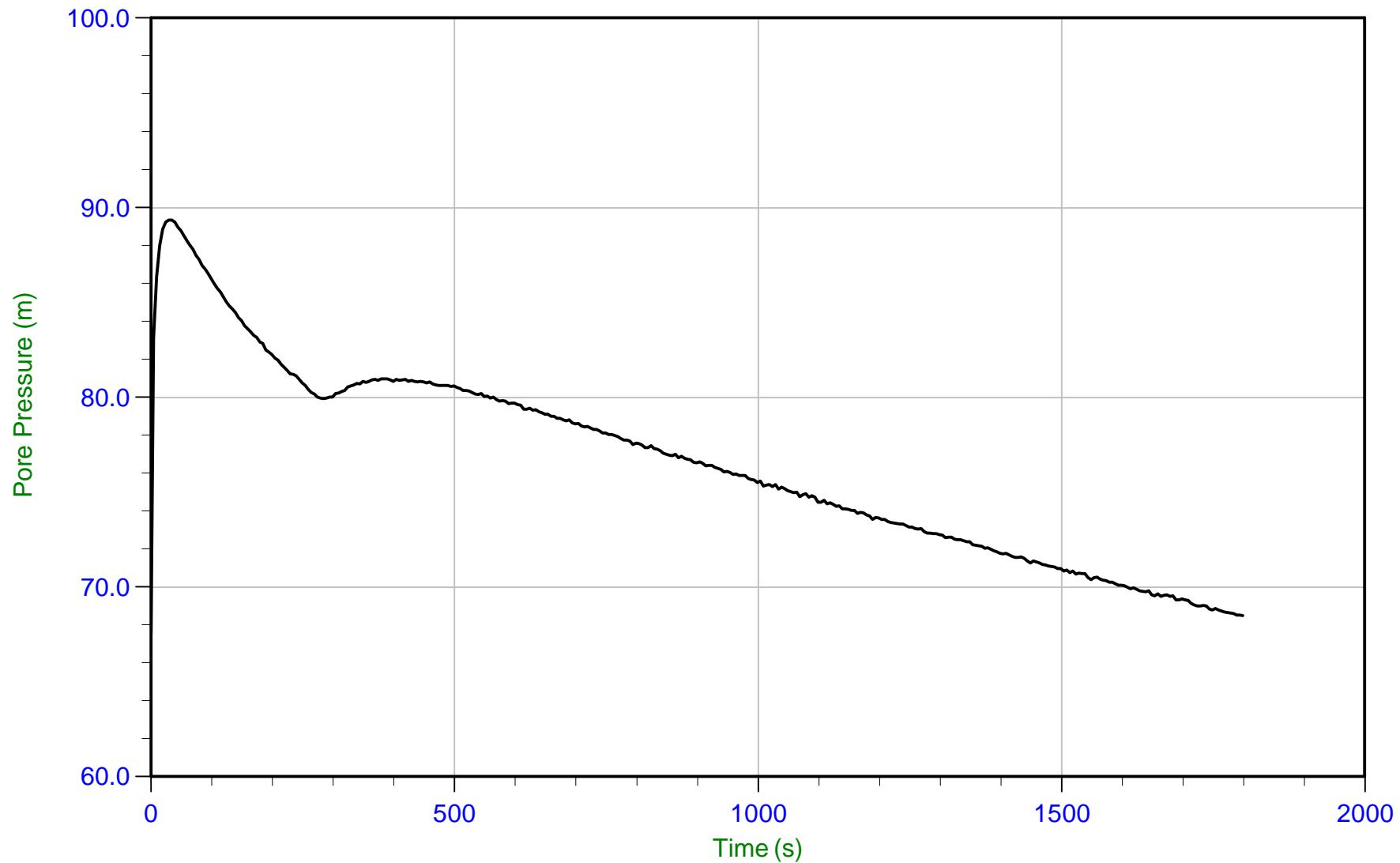
Filename: 14-02091_RS22.PPF

Depth: 4.975 m / 16.322 ft

Duration: 3400.0 s

U Min: 40.8 m

U Max: 83.3 m



Trace Summary: Filename: 14-02091_RS22.PPF
Depth: 7.000 m / 22.966 ft U Min: 67.5 m
Duration: 1800.0 s U Max: 89.3 m

CONETEC

Mount Polley

Job No: 14-02091

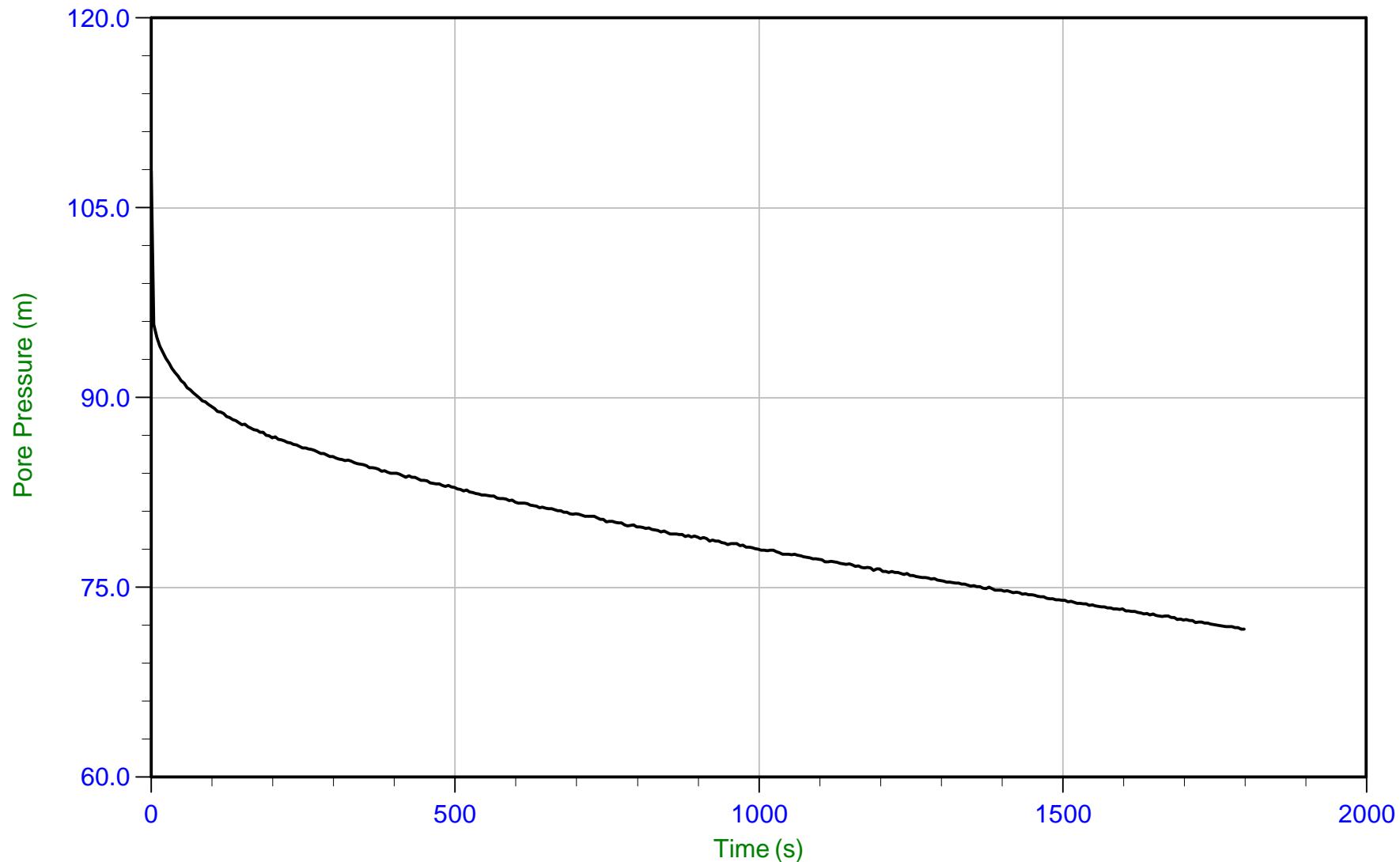
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

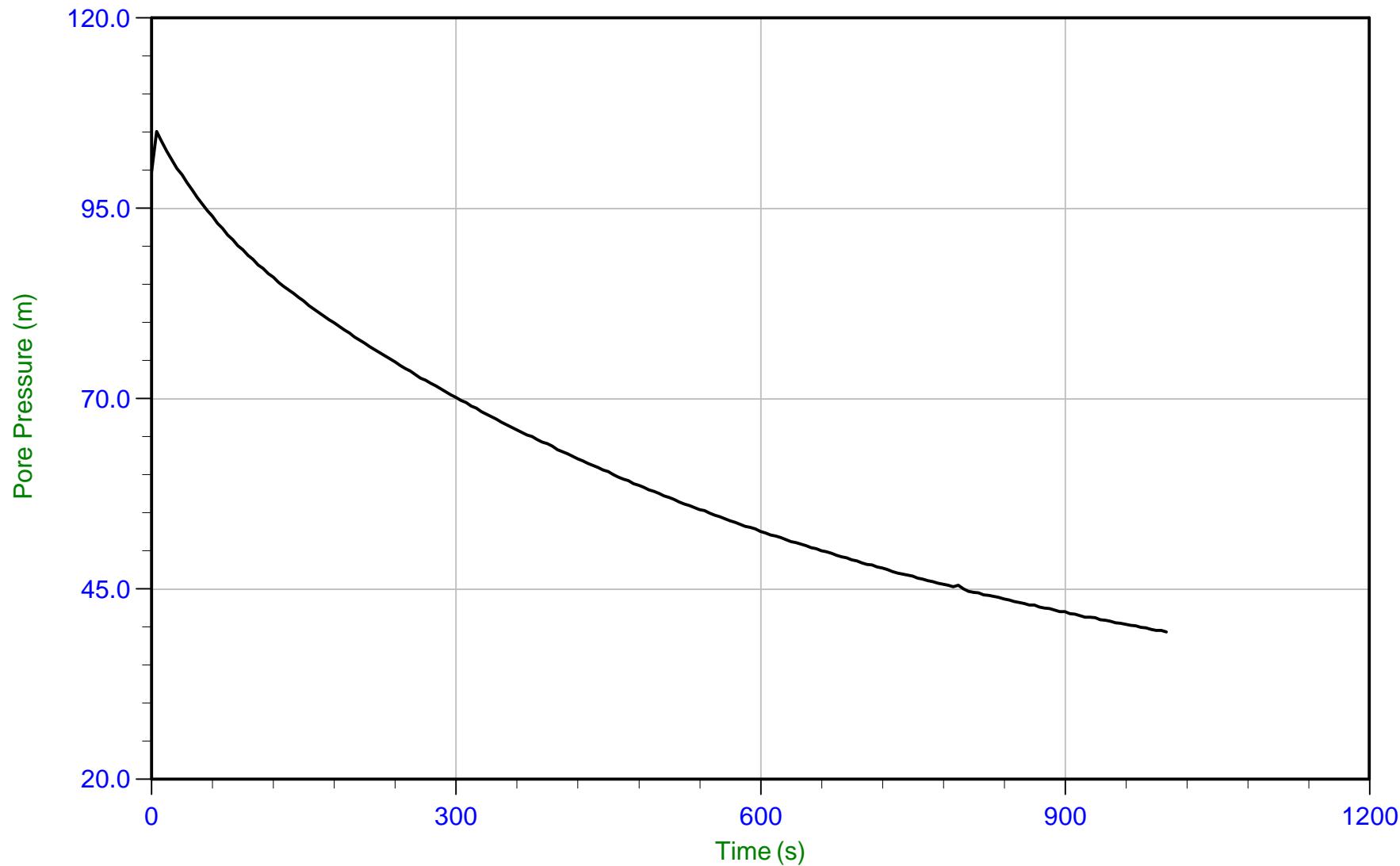
Filename: 14-02091_RS22.PPF

Depth: 9.000 m / 29.527 ft

Duration: 1800.0 s

U Min: 71.7 m

U Max: 107.9 m



Trace Summary: Filename: 14-02091_RS22.PPF
Depth: 9.675 m / 31.742 ft U Min: 39.4 m
Duration: 1000.0 s U Max: 105.1 m

CONETEC

Mount Polley

Job No: 14-02091

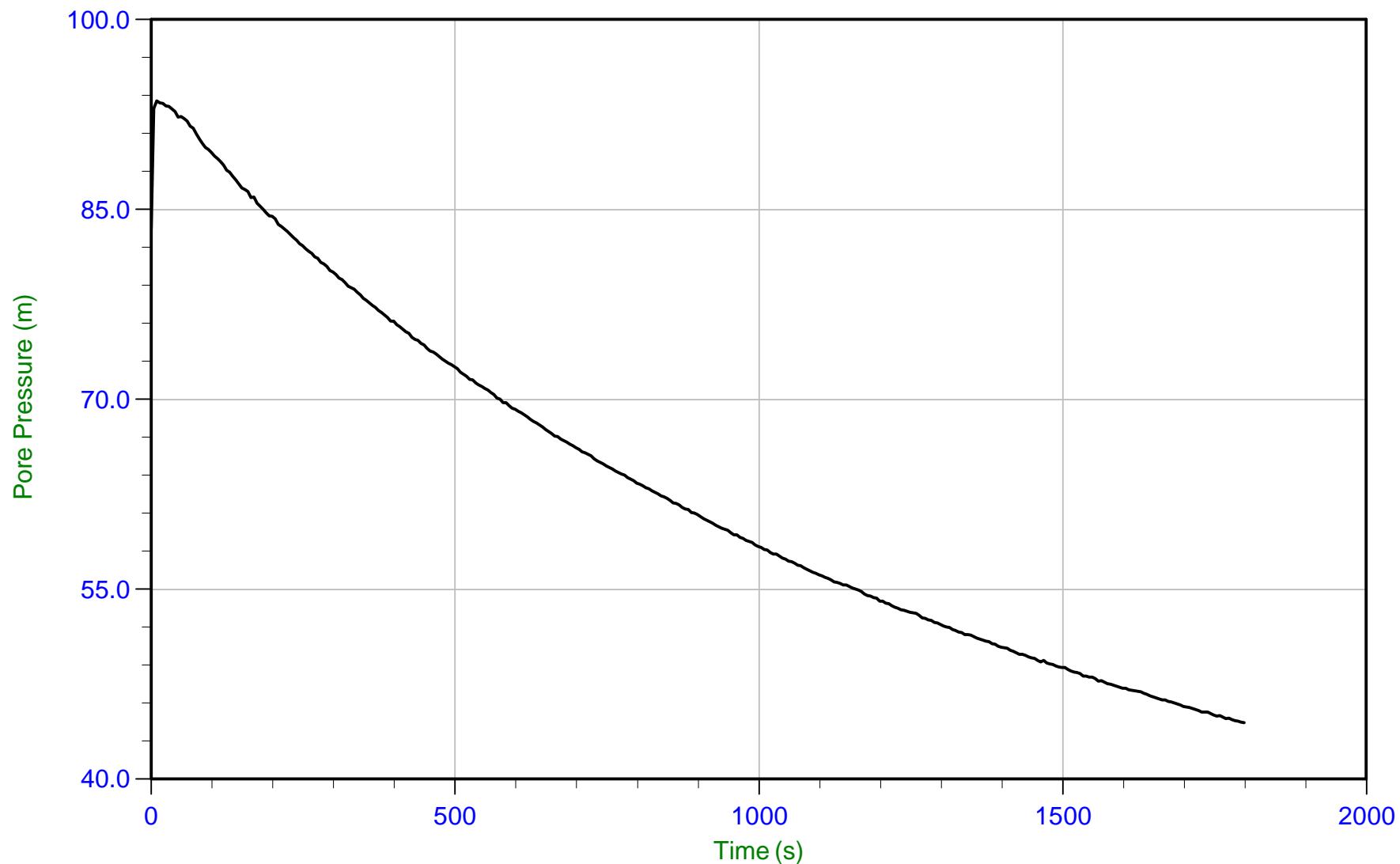
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 10.375 m / 34.038 ft

Duration: 1800.0 s

U Min: 44.5 m

U Max: 93.6 m

CONETEC

Mount Polley

Job No: 14-02091

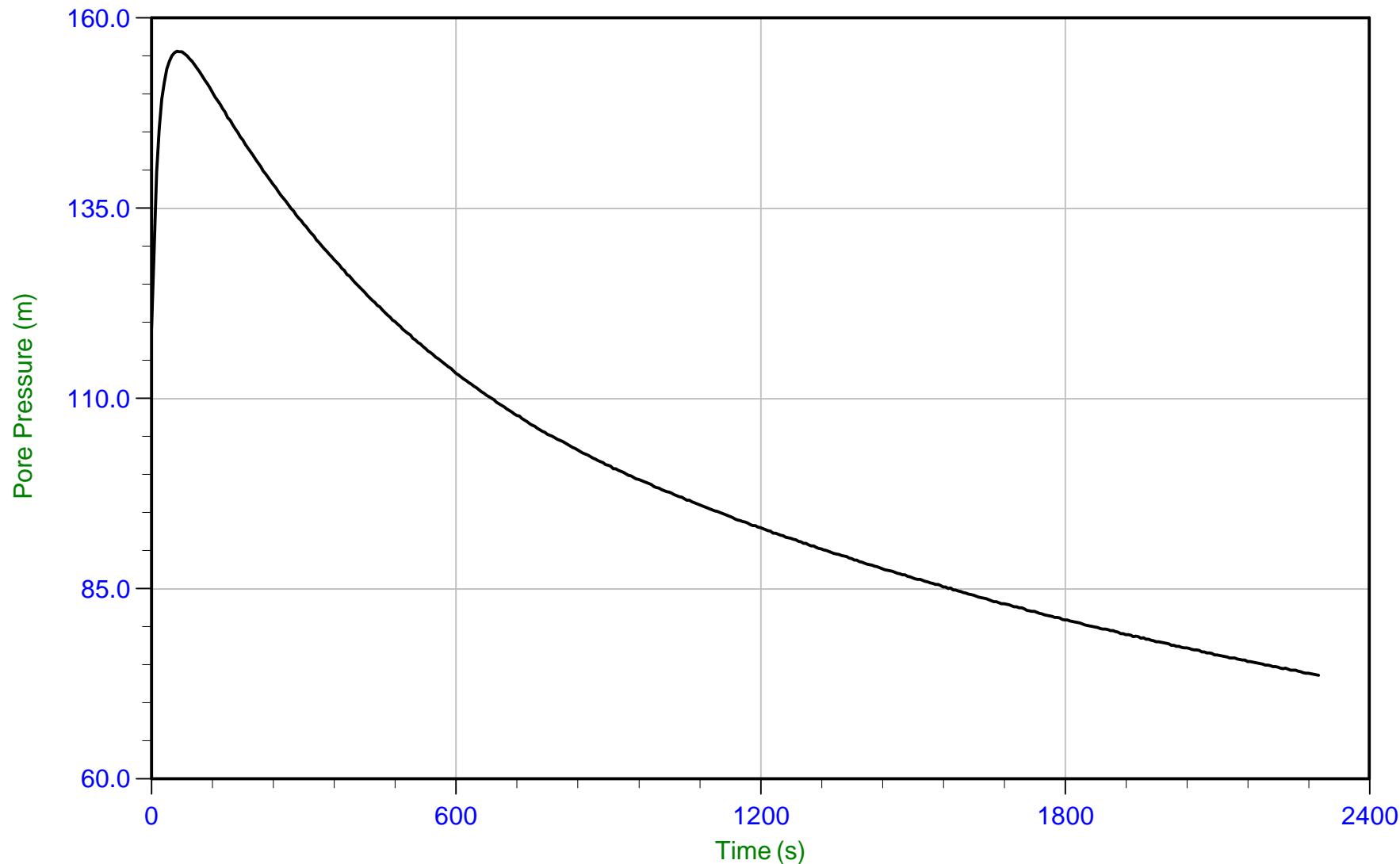
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 11.975 m / 39.288 ft

Duration: 2300.0 s

U Min: 73.6 m

U Max: 155.6 m

CONETEC

Mount Polley

Job No: 14-02091

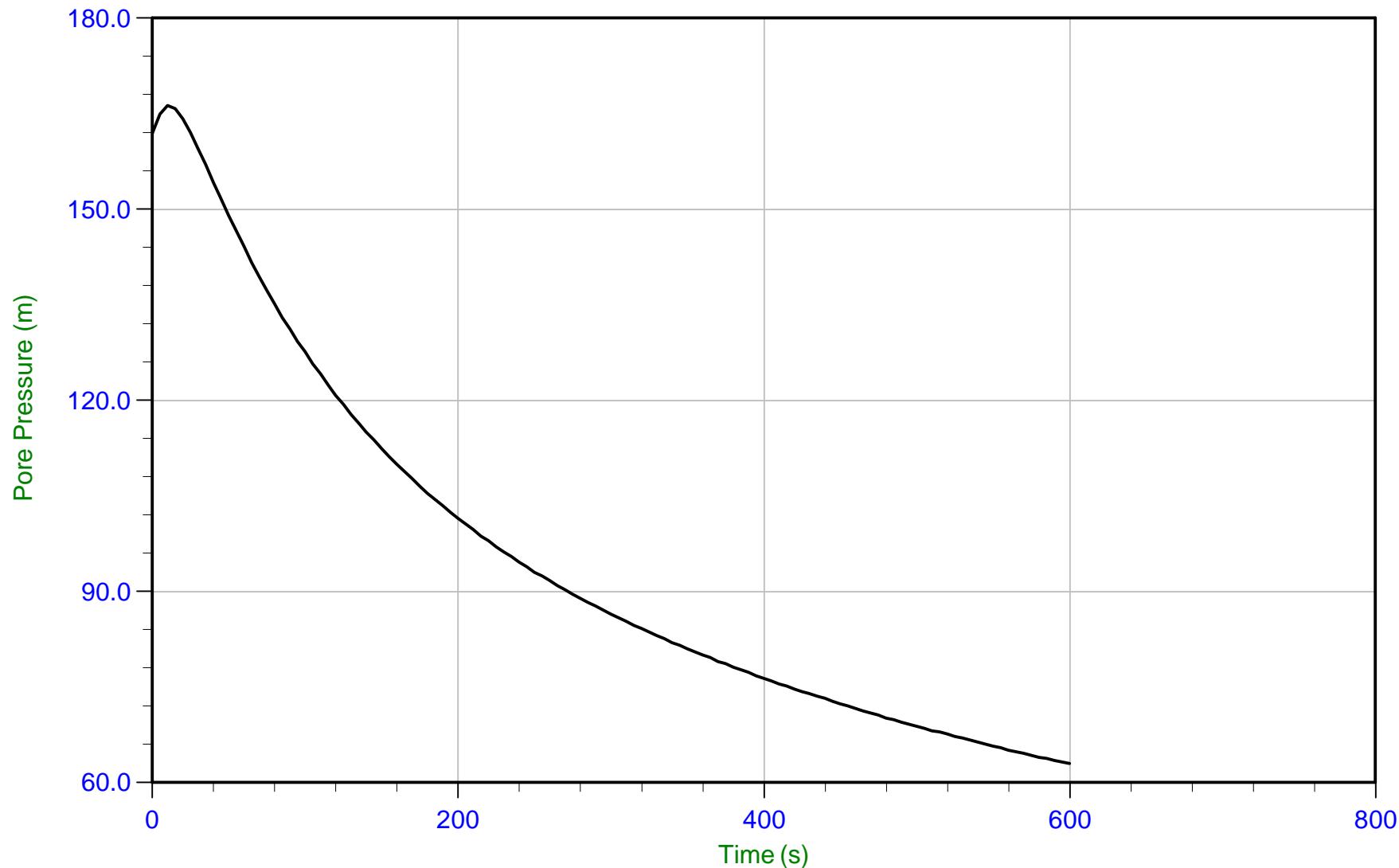
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 14.200 m / 46.587 ft

Duration: 600.0 s

U Min: 63.0 m

U Max: 166.3 m

CONETEC

Mount Polley

Job No: 14-02091

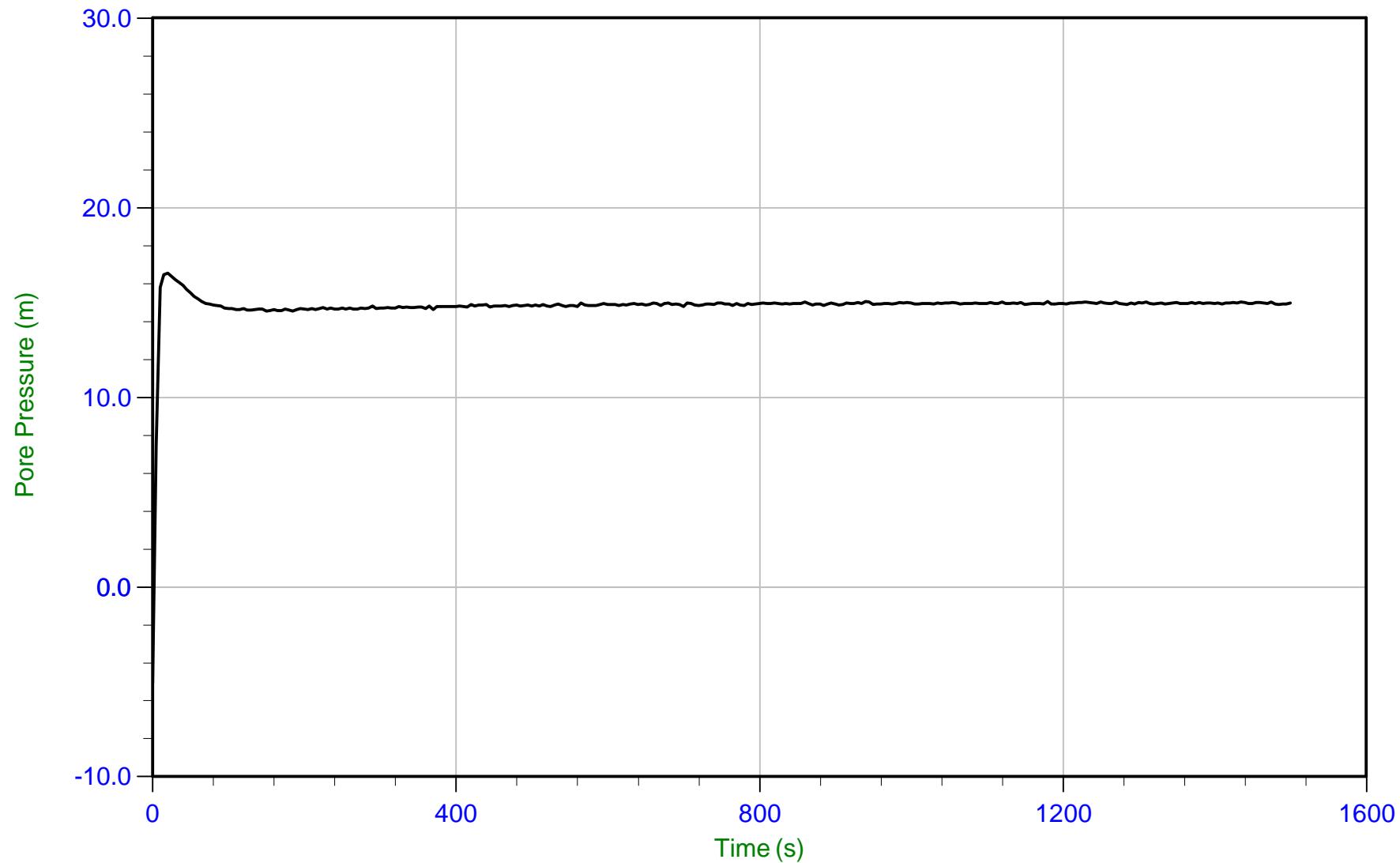
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary: Filename: 14-02091_RS22.PPF
Depth: 14.900 m / 48.884 ft
Duration: 1500.0 s

U Min: -5.1 m
U Max: 16.5 m

CONETEC

Mount Polley

Job No: 14-02091

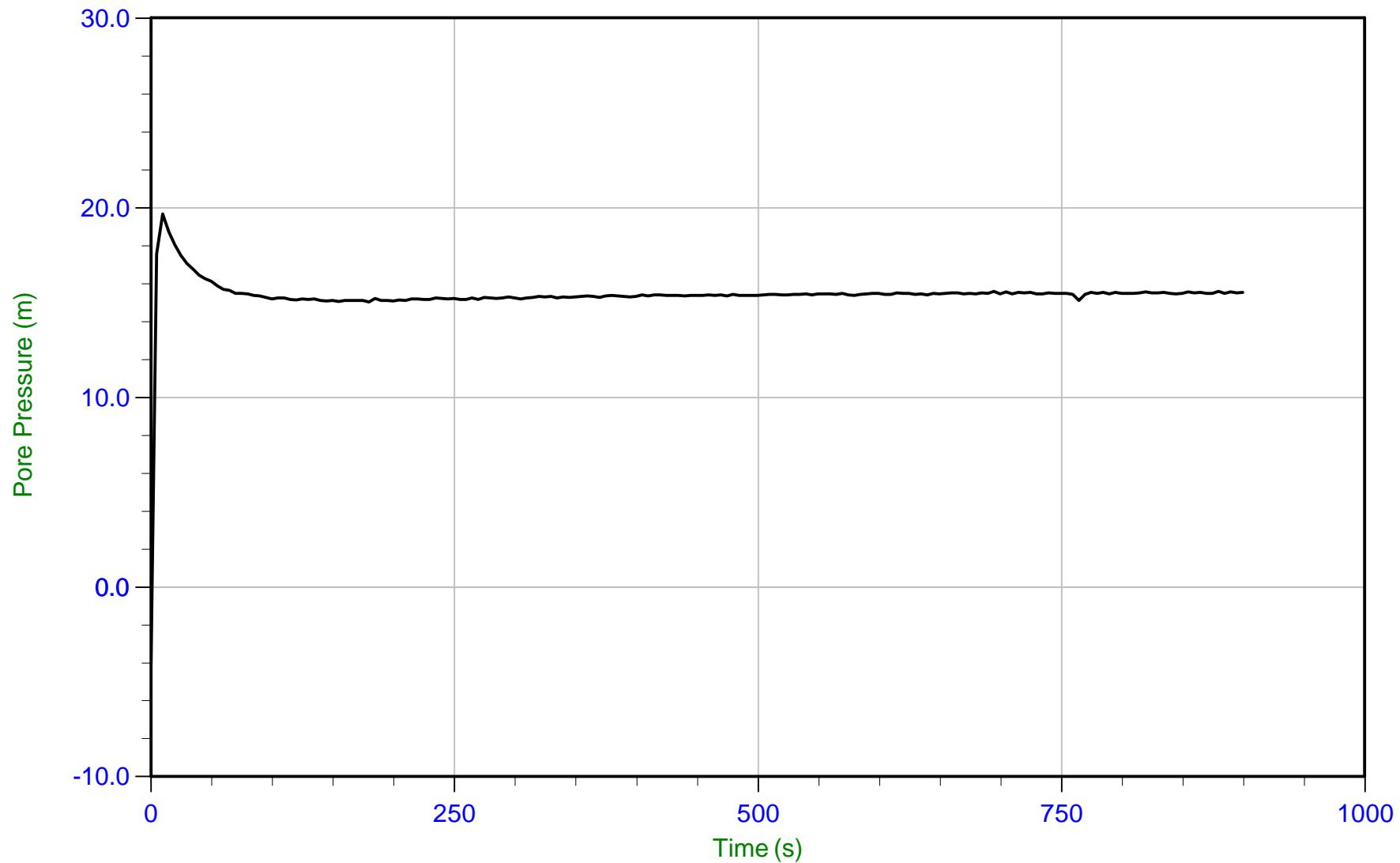
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 15.575 m / 51.098 ft

Duration: 900.0 s

U Min: -4.0 m

U Max: 19.7 m

CONETEC

Mount Polley

Job No: 14-02091

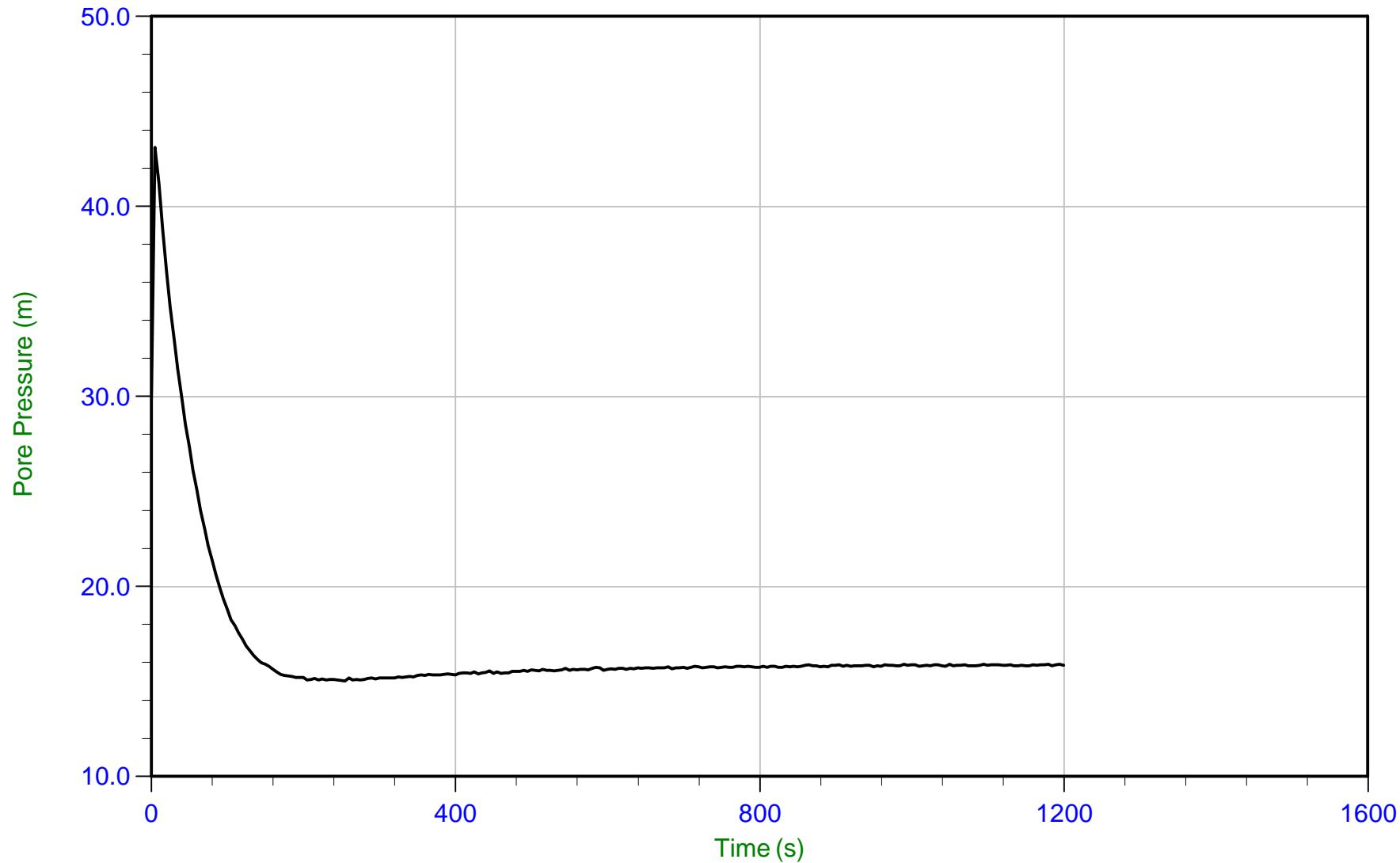
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 15.950 m / 52.329 ft

Duration: 1200.0 s

U Min: 15.0 m

U Max: 43.1 m

CONETEC

Mount Polley

Job No: 14-02091

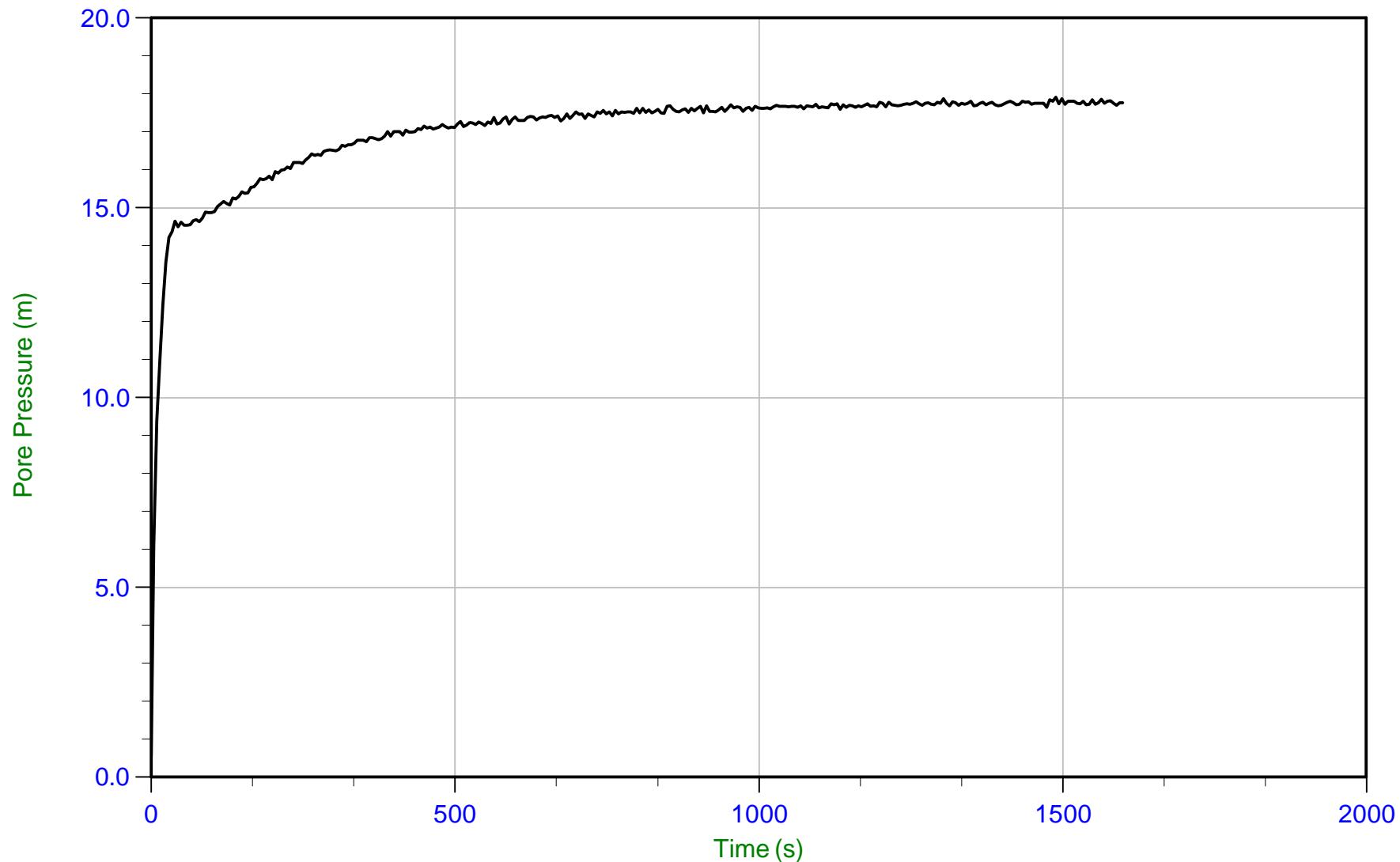
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 18.000 m / 59.054 ft

Duration: 1600.0 s

U Min: 0.5 m

U Max: 17.9 m

CONETEC

Mount Polley

Job No: 14-02091

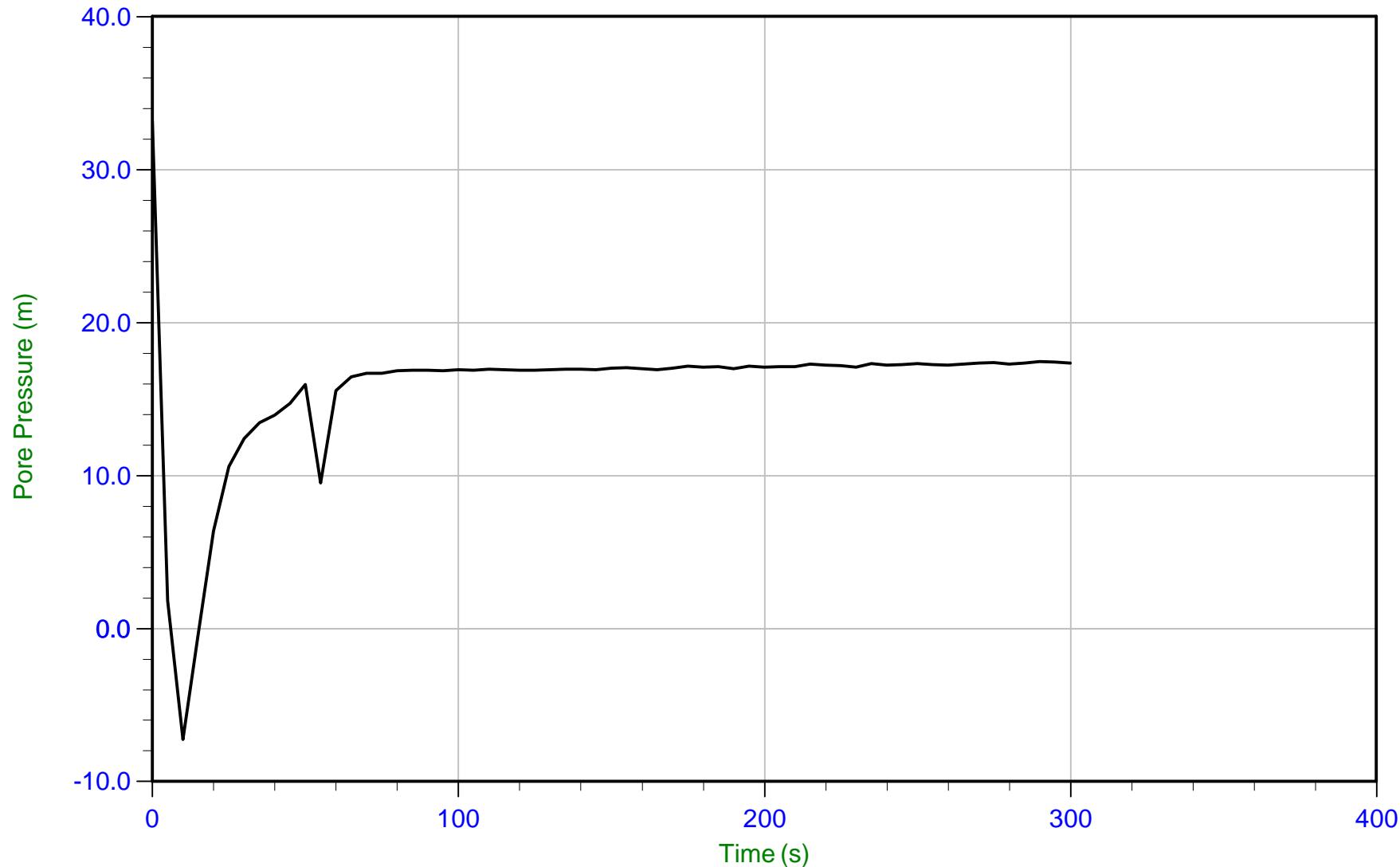
Date: 10/30/2014 08:40

Site: Mount Polley Mine, Likely, BC

Sounding: RSCPT14-22

Cone: 418:T1500F15U500

Cone Area: 15 sq cm



Trace Summary:

Filename: 14-02091_RS22.PPF

Depth: 18.400 m / 60.367 ft

Duration: 300.0 s

U Min: -7.2 m

U Max: 33.2 m

Electronic Field Vane Shear Test Summary and Results



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 09-Oct-2014
End Date: 04-Nov-2014

ELECTRONIC FIELD VANE SHEAR TEST PROFILE SUMMARY

Sounding ID	File Name	Adjacent Test Sounding ID	Date	Northing ¹ (m)	Easting (m)	Elevation (m)	Refer to Notation Number
VST14-03	14-02091_VST14-03	RSCPT14-03	09-Oct-2014	5819934.14	595129.01	932.77	
VST14-10	14-02091_VST14-10	RSCPT14-10	20-Oct-2014	5819962.22	595152.14	932.08	
VST14-10B	14-02091_VST14-10B	RSCPT14-10B	04-Nov-2014	5819967	595139	930.9	2
VST14-22	14-02091_VST14-22	RSCPT14-22	04-Nov-2014	5819982	595124	929.8	2

1. Coordinates were provided by the client in a localized Tailings Grid datum which was noted to be similar to datum NAD 83.

2. Coordinates were obtained from a handheld GPS in datum NAD83 UTM Zone 10 North. Elevation was based on adjacent sample location.



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 09-Oct-2014
End Date: 04-Nov-2014

ELECTRONIC FIELD VANE SHEAR TEST RESULTS

Sounding ID	File Name	Date	Load Cell Serial Number	Test Depth ¹ (m)	Vane Diameter D (mm)	Vane Height H (mm)	Top Taper Angle i_T (deg)	Bottom Taper Angle i_B (deg)	Peak Torque (Nm)	Remolded Torque (Nm)	Su Peak (kPa)	Su Remolded (kPa)	Sensitivity	Refer to Notation Number
VST14-03	14-02091_VST14-03	09-Oct-2014	AVLC011	6.93	55	110	0	0	99.9		163.9			2
VST14-03	14-02091_VST14-03	09-Oct-2014	AVLC010	12.20	55	110	0	0	90.8	14.0	148.9	22.9	7	3
VST14-03	14-02091_VST14-03	09-Oct-2014	AVLC010	12.50	55	110	0	0	83.5	34.8	137.0	57.1	2	3
VST14-03	14-02091_VST14-03	09-Oct-2014	AVLC010	12.80	55	110	0	0	51.9	35.8	85.1	58.7	1	3
VST14-03	14-02091_VST14-03	09-Oct-2014	AVLC010	13.13	55	110	0	0	74.5	26.0	122.1	42.6	3	3
VST14-10	14-02091_VST14-10	20-Oct-2014	AVLC010	11.48	55	110	0	0	56.0	11.9	91.9	19.5	5	4
VST14-10	14-02091_VST14-10	20-Oct-2014	AVLC010	11.78	55	110	0	0	98.5	20.9	161.6	34.2	5	3
VST14-10	14-02091_VST14-10	20-Oct-2014	AVLC010	12.08	55	110	0	0	39.0	20.4	64.0	33.5	2	3
VST14-10B	14-02091_VST14-10B	04-Nov-2014	AVLC010	11.40	50	110	0	45	96.7	45.6	189.2	89.3	2	
VST14-22	14-02091_VST14-22	04-Nov-2014	AVLC010	9.70	50	110	0	45	66.7	22.9	130.5	44.8	3	

1. Test depths are referenced to the middle of the vane.

2. Load cell was maxed out during the test. The vane blade was noted to be damaged when it was brought back to ground surface.

3. The vane blade was damaged during testing and it is unknown when it occurred. A damaged vane blade may compromise data quality. Photographs of the vane blade are provided in the data release folder.

4. A stiff layer was encountered prior to the vane test depth. It is possible the vane blade was damaged during this push. A damaged vane blade may compromise data quality.

Electronic Field Vane Shear Test Plots

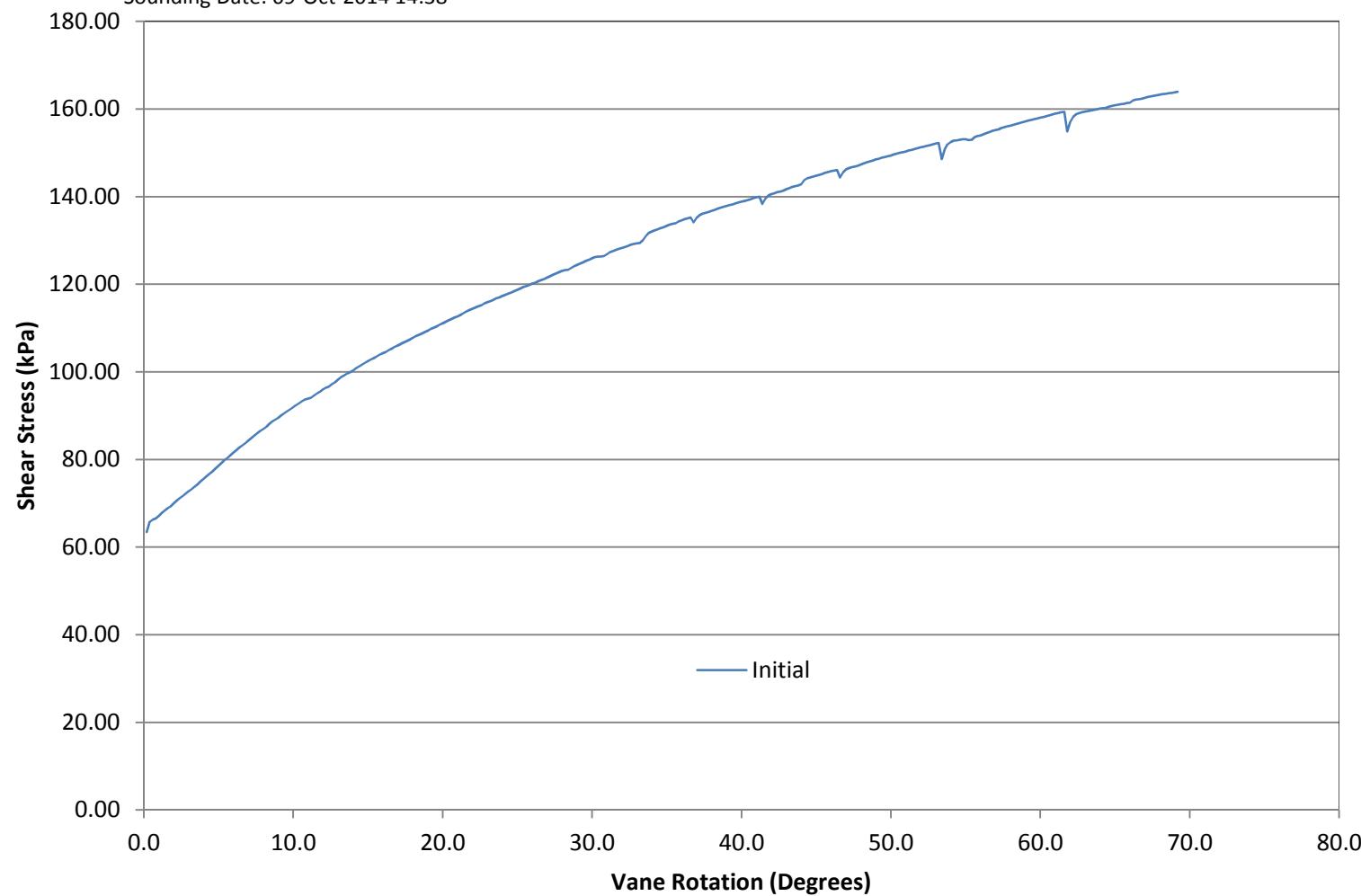


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-03
Sounding Date: 09-Oct-2014 14:38

Test Depth (m): 6.93
Test Elevation (m): 925.84
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819931
Easting (m): 595123
Elevation (m): 932.77

Vane Shear Test



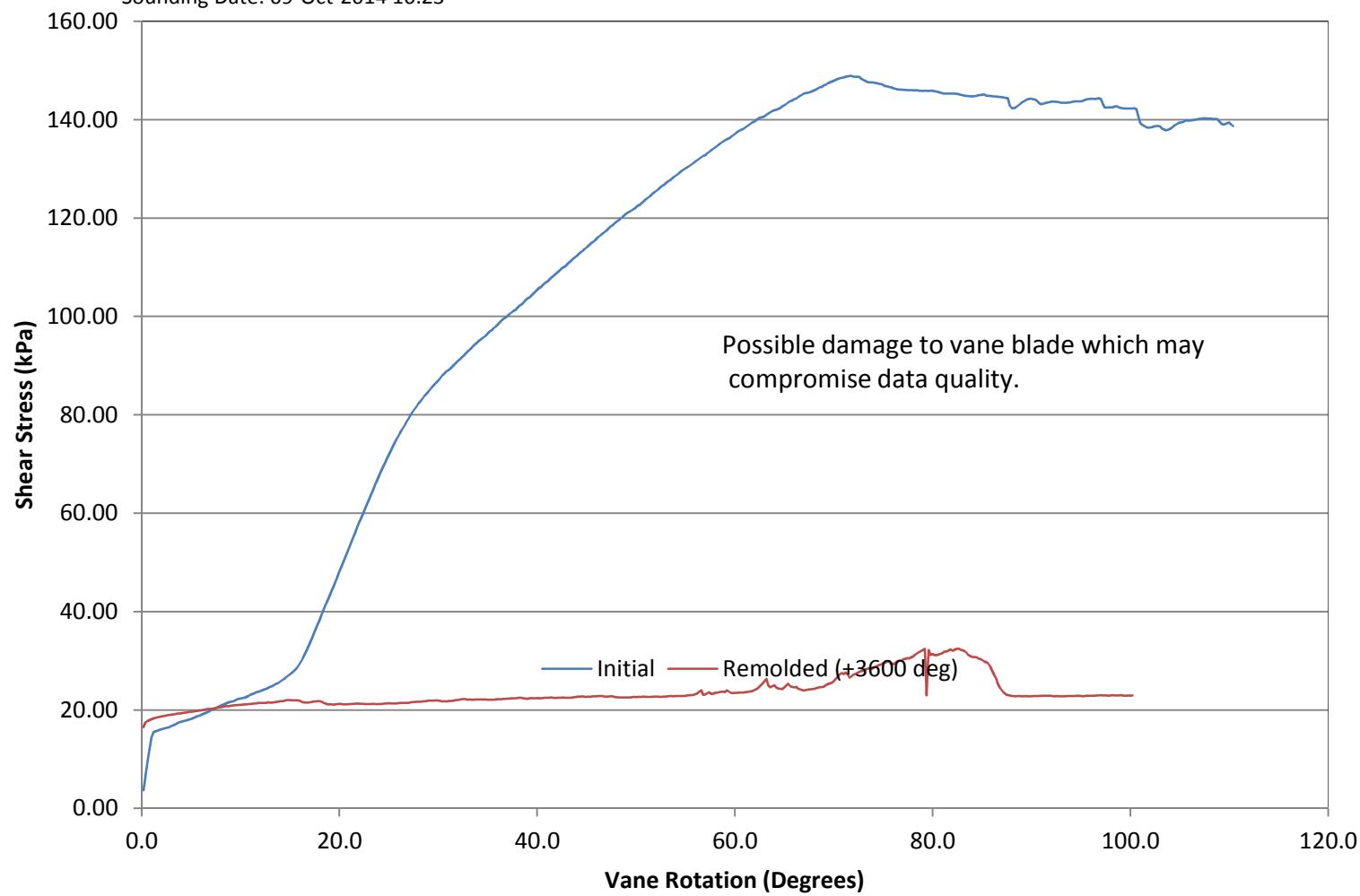


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-03
Sounding Date: 09-Oct-2014 16:23

Test Depth (m): 12.20
Test Elevation (m): 920.57
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819931
Easting (m): 595123
Elevation (m): 932.77

Vane Shear Test



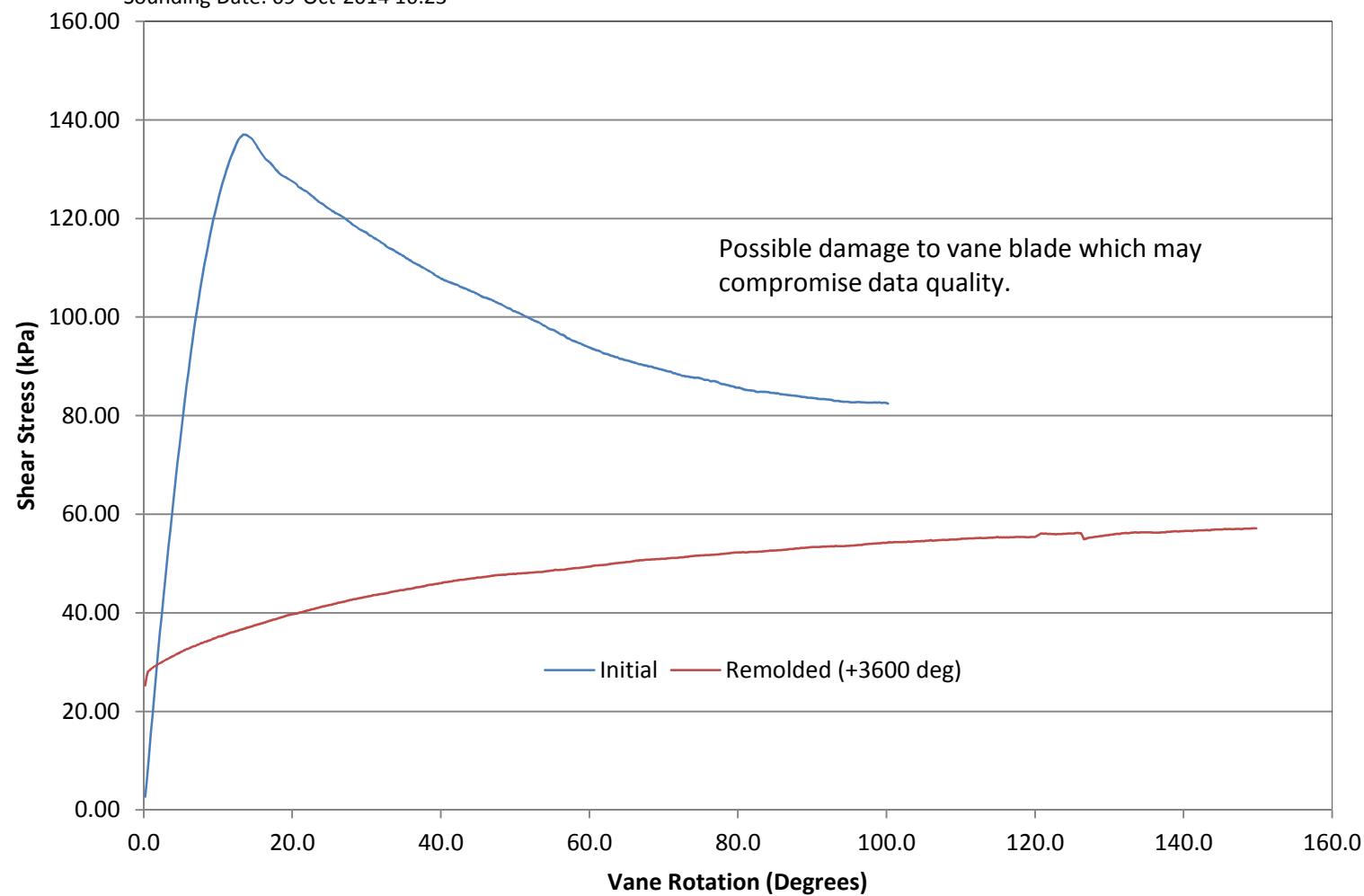


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-03
Sounding Date: 09-Oct-2014 16:23

Test Depth (m): 12.50
Test Elevation (m): 920.27
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819931
Easting (m): 595123
Elevation (m): 932.77

Vane Shear Test



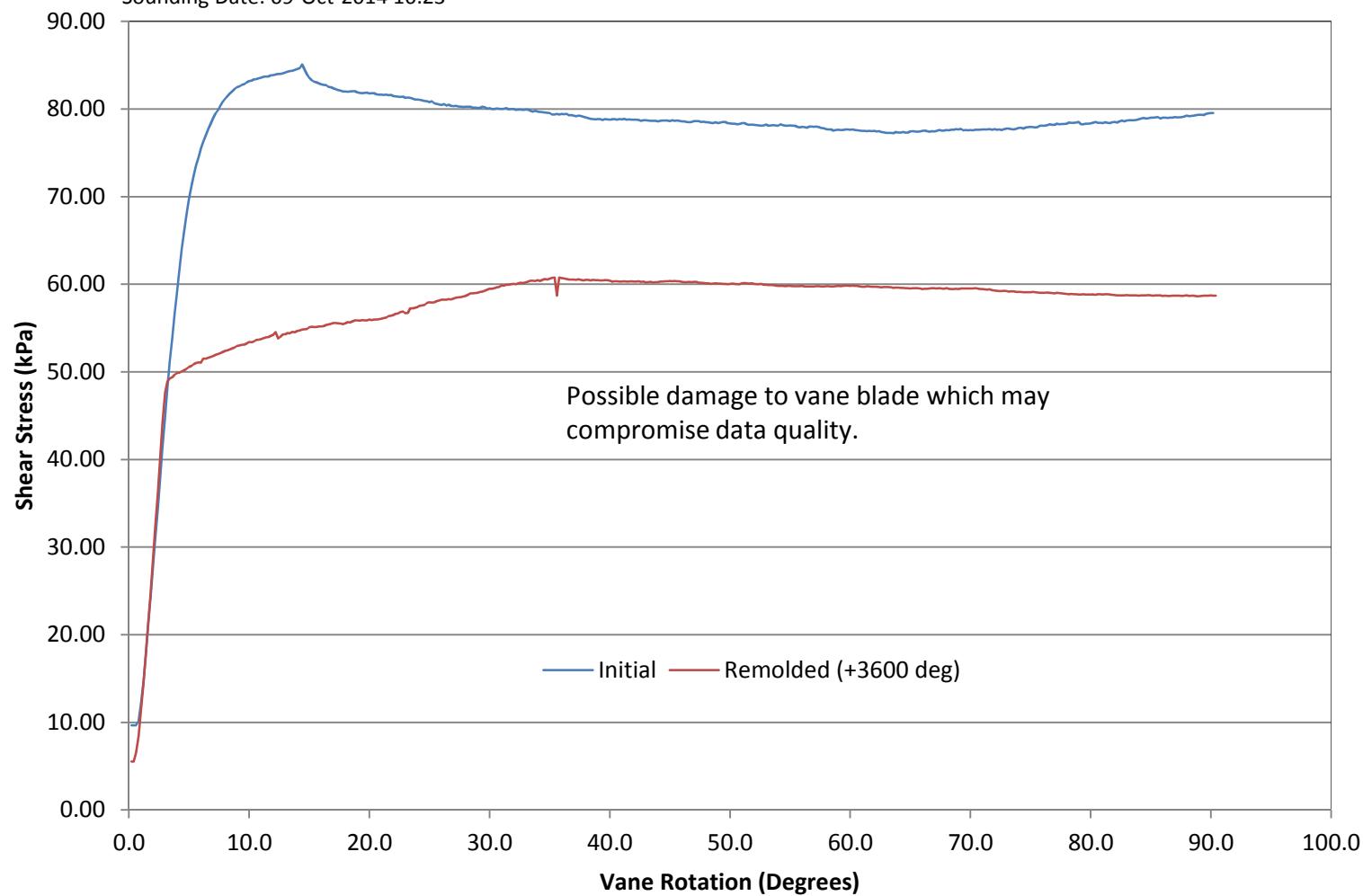


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-03
Sounding Date: 09-Oct-2014 16:23

Test Depth (m): 12.80
Test Elevation (m): 919.97
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819931
Easting (m): 595123
Elevation (m): 932.77

Vane Shear Test



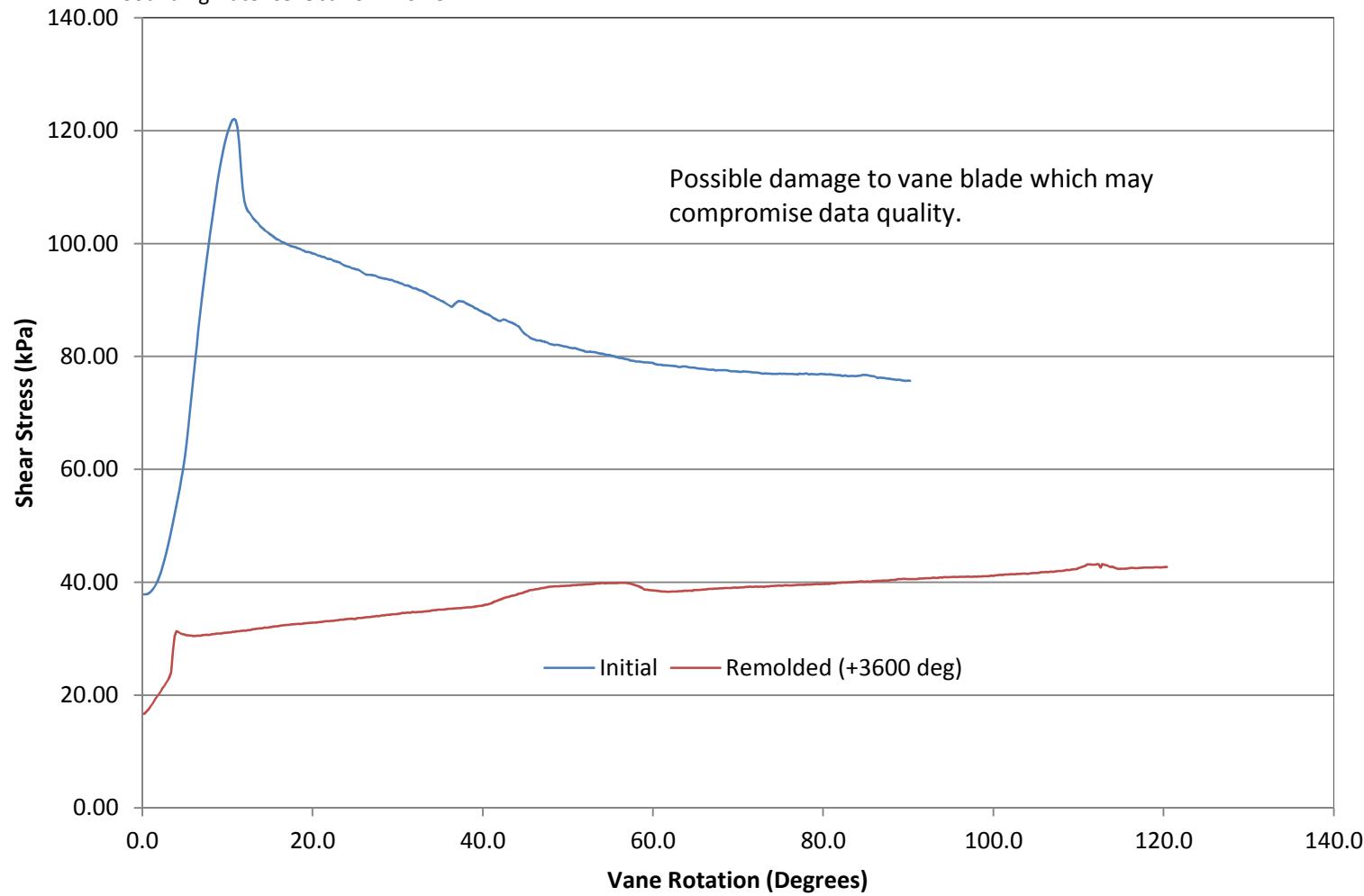


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-03
Sounding Date: 09-Oct-2014 16:23

Test Depth (m): 13.13
Test Elevation (m): 919.64
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819931
Easting (m): 595123
Elevation (m): 932.77

Vane Shear Test



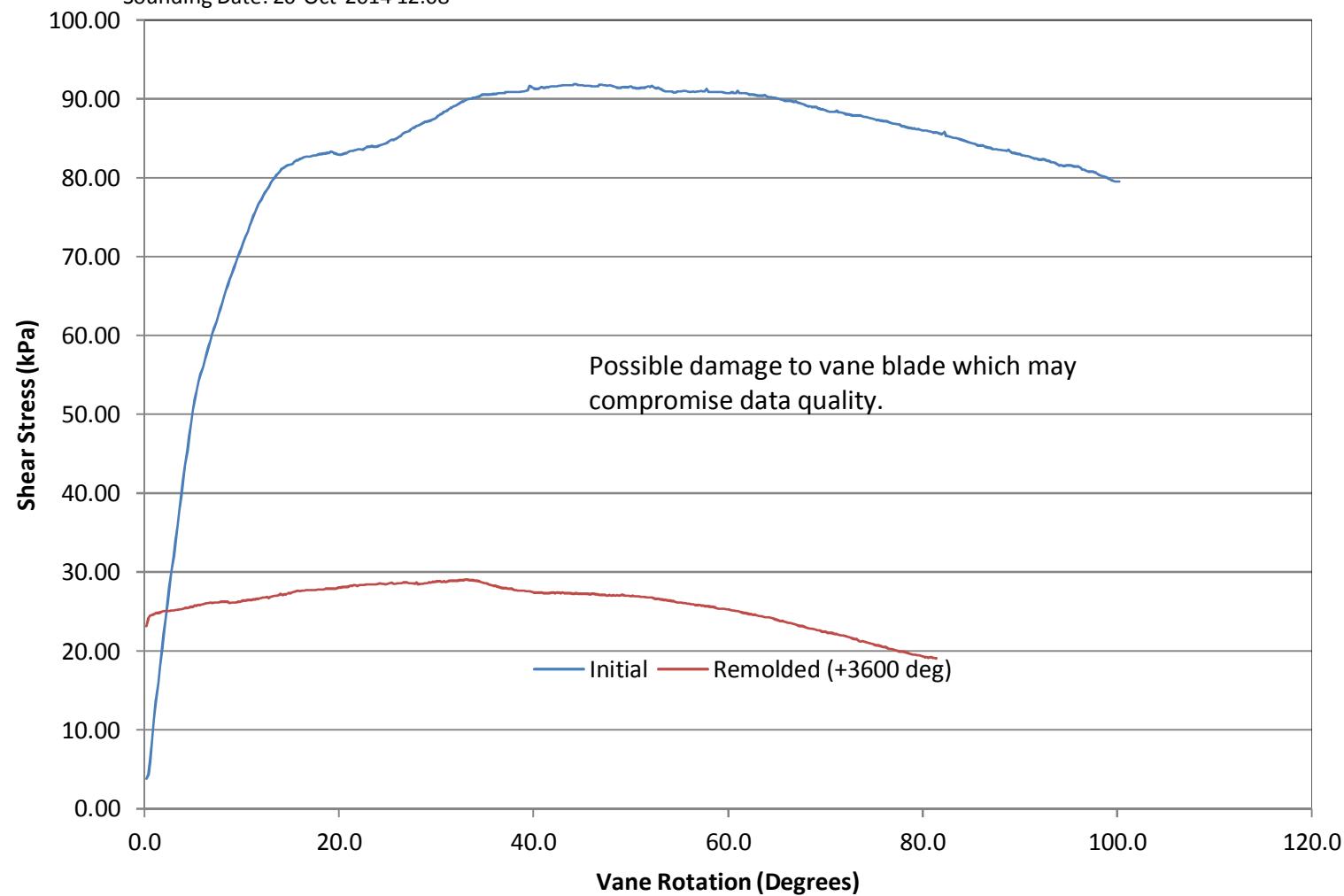


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-10
Sounding Date: 20-Oct-2014 12:08

Test Depth (m): 11.48
Test Elevation (m): 920.60
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819961
Easting (m): 595151
Elevation (m): 932.08

Vane Shear Test



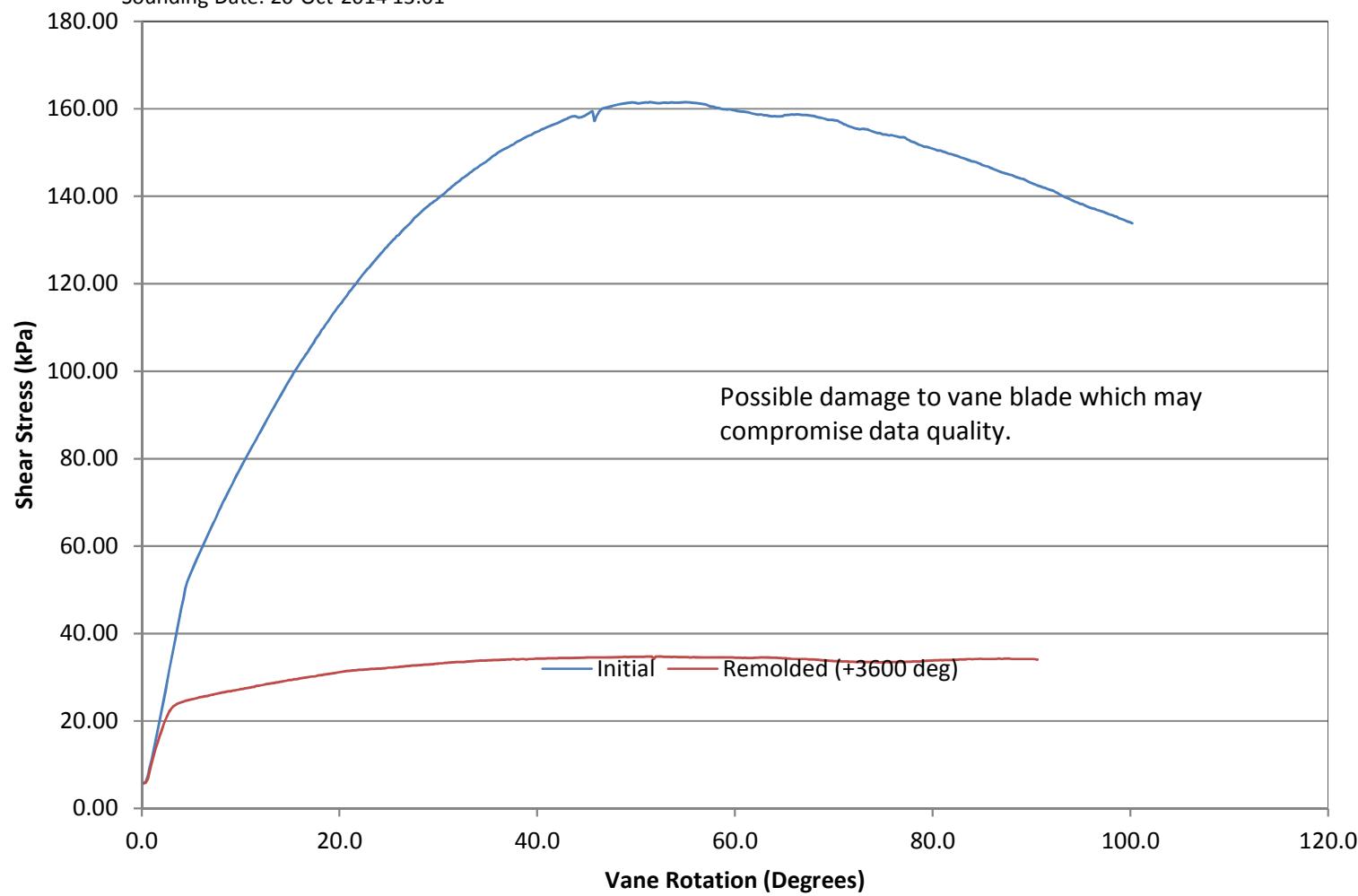


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-10
Sounding Date: 20-Oct-2014 13:01

Test Depth (m): 11.78
Test Elevation (m): 920.30
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819961
Easting (m): 595151
Elevation (m): 932.08

Vane Shear Test



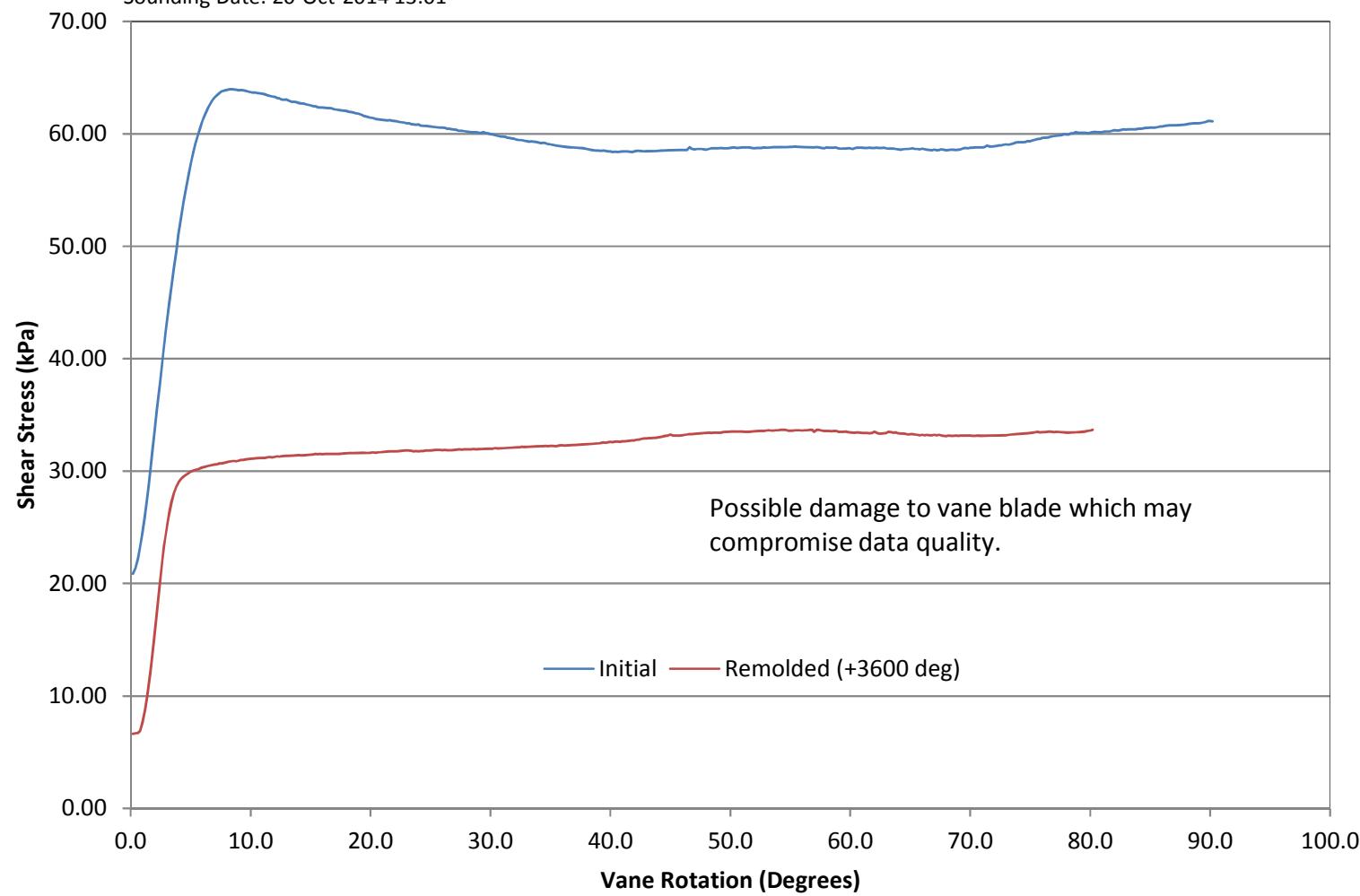


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-10
Sounding Date: 20-Oct-2014 13:01

Test Depth (m): 12.08
Test Elevation (m): 920.00
Vane Type: Rectangular 55 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819961
Easting (m): 595151
Elevation (m): 932.08

Vane Shear Test



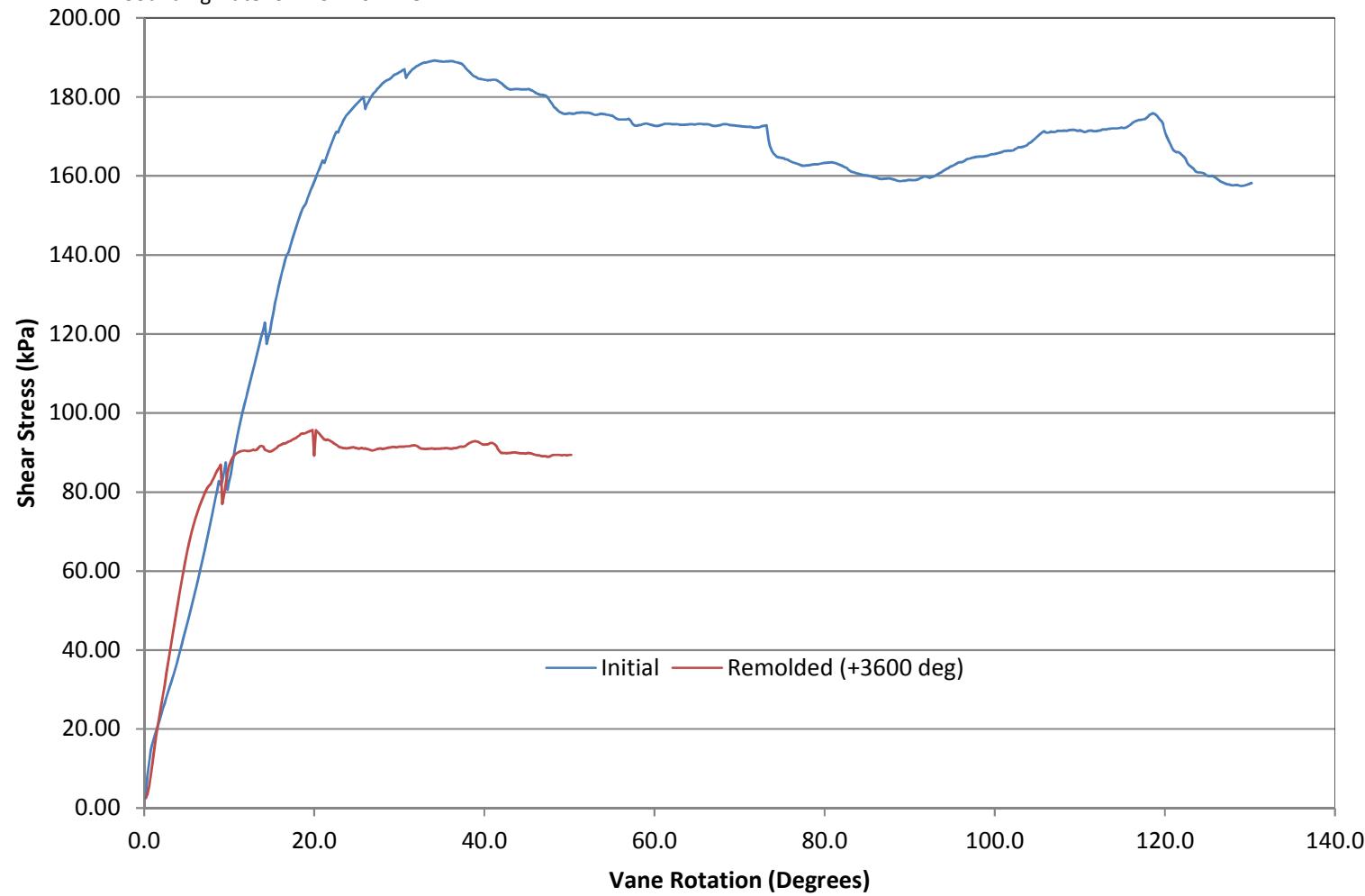


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-10B
Sounding Date: 04-Nov-2014 13:41

Test Depth (m): 11.40
Test Elevation (m): 919.5
Vane Type: Tapered one end 50 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819967
Easting (m): 595139
Elevation (m): 930.9

Vane Shear Test



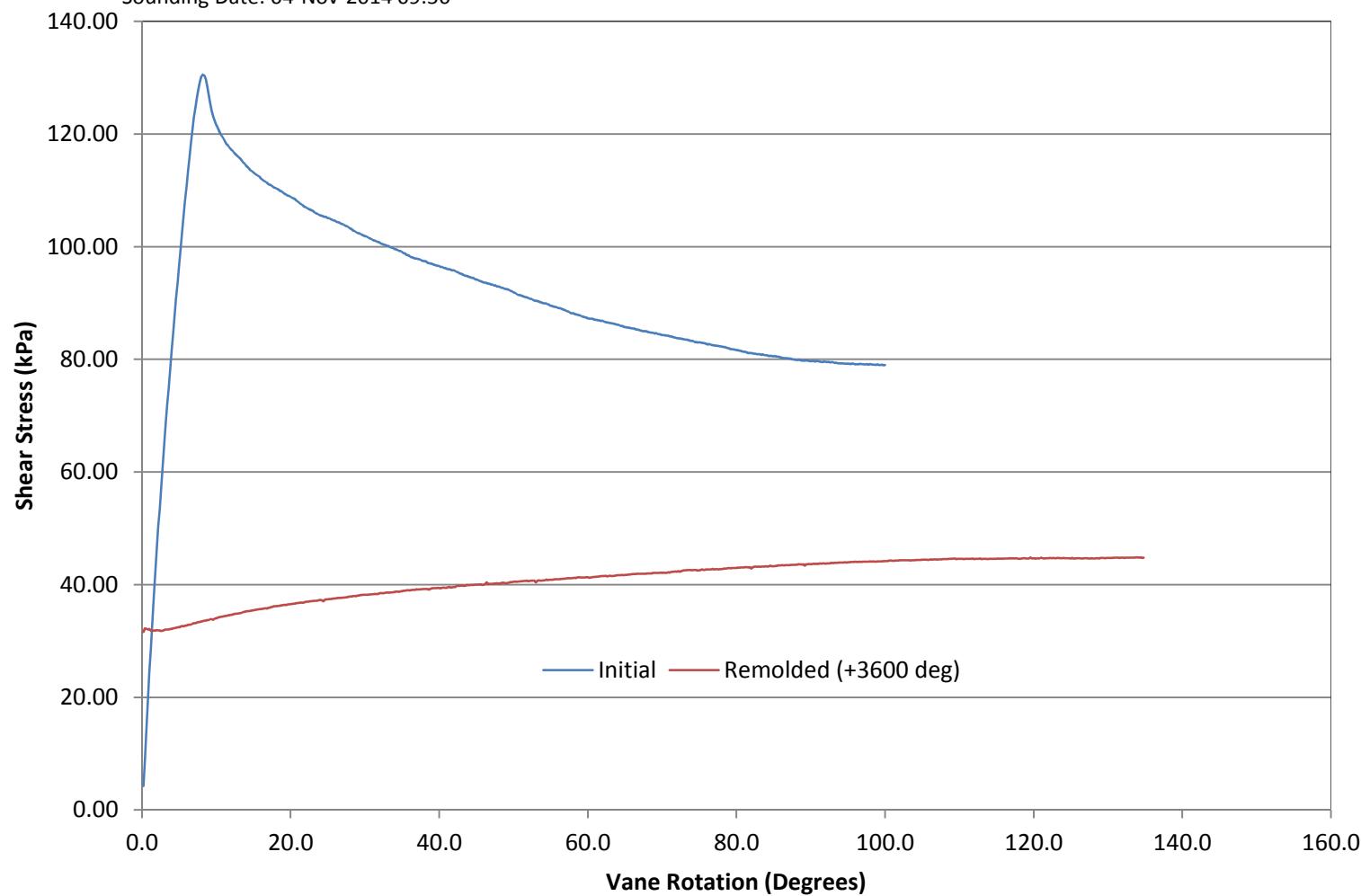


Job Number: 14-02091
Client: Mount Polley
Project: Mount Polley Mine, Likely, BC
Sounding: VST14-22
Sounding Date: 04-Nov-2014 09:56

Test Depth (m): 9.70
Test Elevation (m): 920.1
Vane Type: Tapered one end 50 x 110 mm

Coordinate System: UTM North (NAD83)
Northing (m): 5819982
Easting (m): 595124
Elevation (m): 929.8

Vane Shear Test



Photographs of Damaged Vane Blades

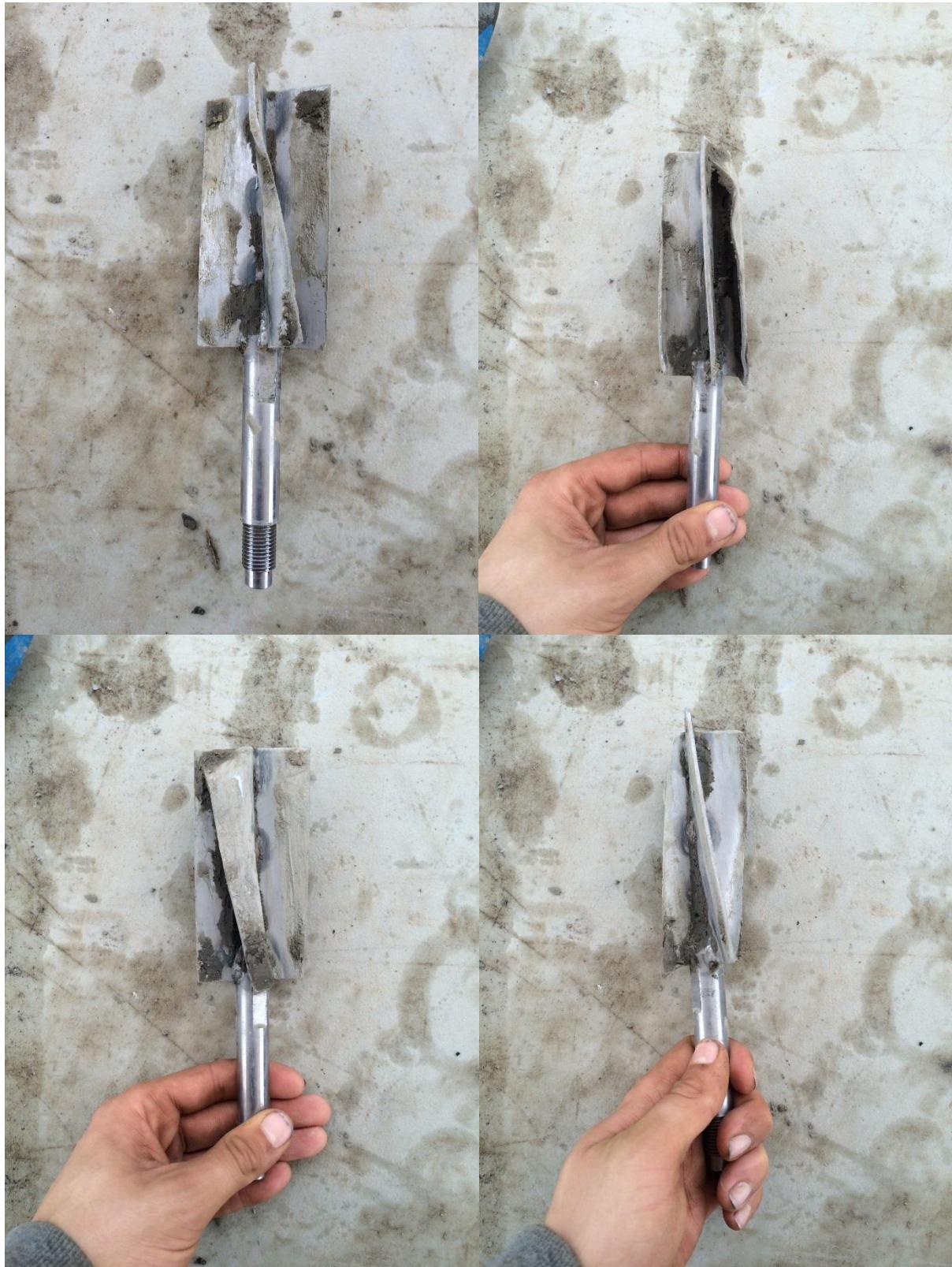
14-02091: Photos of the vane blade used for VST14-03 after depth 6.93m.



14-02091: Photos of the vane blade used for VST14-03 after consecutive tests at depths 12.2m, 12.5m, 12.8m and 13.13m.



14-02091: Photos of the vane blade used for VST14-10 after consecutive tests at depths 11.78m and 12.08m.



Standard Penetration Test with Energy Summary and Results



Job No: 14-02091
Client: Mount Polley Mining Corporation
Project: Mount Polley Mine, Likely, BC
Start Date: 25-Oct-2014
End Date: 27-Oct-2014

STANDARD PENETRATION TEST WITH ENERGY SUMMARY									
Borehole ID	Date From	Date To	Hammer Type	Hammer Weight (lbs)	Estimated Drop Height (in)	Potential Energy (lb-ft)	Northing ¹ (m)	Easting (m)	Refer to Notation Number
SPTe14-05	25-Oct-2014	25-Oct-2014	Automatic Hammer	140	30	350	5819915	595187	
SPTe14-05b	25-Oct-2014	27-Oct-2014	Automatic Hammer	140	30	350	5819924	595184	

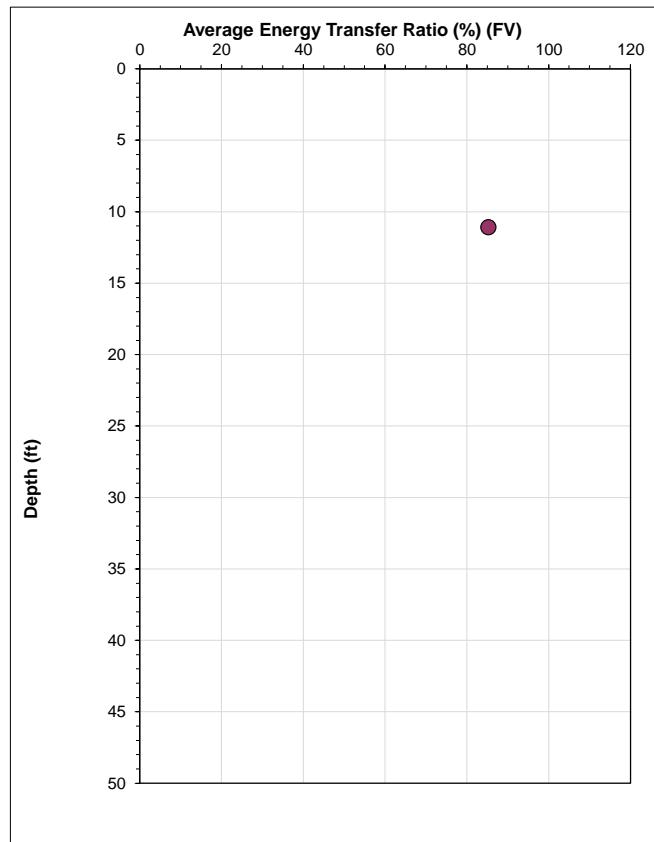
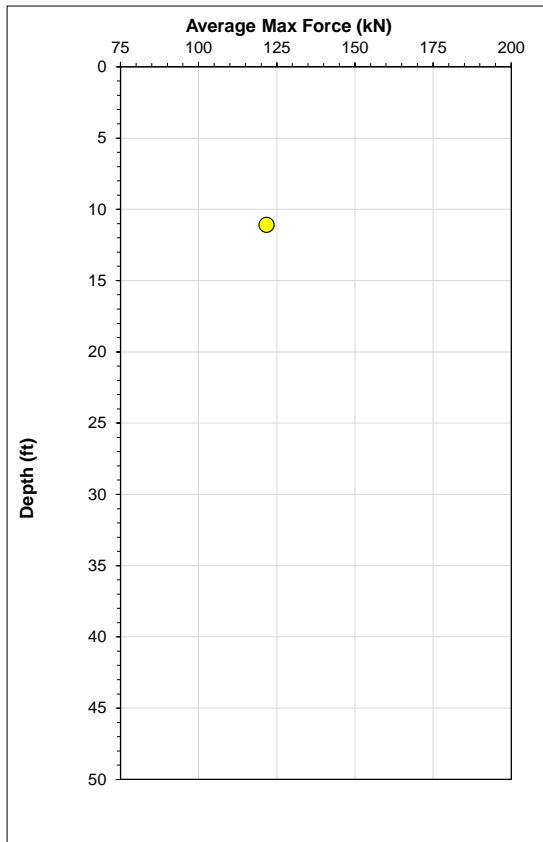
1. Coordinates were obtained using a handheld GPS in datum NAD83, UTM zone 10 North.

Job No: 14-02091
 Client: Mount Polley Mining Corporation
 Project: Mount Polley Mine, Likely, BC
 Start Date: 25-Oct-2014
 End Date: 25-Oct-2014

Borehole ID: SPTe14-05
 Rig: Fraste XL
 Hammer: Automatic Hammer

STANDARD PENETRATION TEST ENERGY RESULTS

Test Start Depth (ft)	Instrument Rod Type	Instrumented Rod Area (in ²)	Rod String Type	Total Number of Impacts Analyzed	Recorded Blow Counts 0"-6"	Recorded Blow Counts 6"-12"	Recorded Blow Counts 12"-18"	Recorded Blow Counts 18"-24"	Average Max Force (kN)	Average Max Energy (kN-m)	Average Energy Transfer Ratio (FV) (%)
11.1	AWJ	1.20	AWJ	16		8	9	11	121.8	0.41	85.3



Job No: 14-02091
 Client: Mount Polley Mining Corporation
 Project: Mount Polley Mine, Likely, BC
 Start Date: 25-Oct-2014
 End Date: 27-Oct-2014

Borehole ID: SPTe14-05b
 Rig: Fraste XL
 Hammer: Automatic Hammer

STANDARD PENETRATION TEST ENERGY RESULTS

Test Start Depth (ft)	Instrument Rod Type	Instrumented Rod Area (in ²)	Rod String Type	Total Number of Impacts Analyzed	Recorded Blow Counts 0"-6"	Recorded Blow Counts 6"-12"	Recorded Blow Counts 12"-18"	Recorded Blow Counts 18"-24"	Average Max Force (kN)	Average Max Energy (kN-m)	Average Energy Transfer Ratio (FV) (%)
14.3	AWJ	1.20	AWJ	8	4	4	3	4	129.9	0.43	89.6
17.0	AWJ	1.20	AWJ	20	3	6	5	6	131.1	0.42	88.6
20.0	AWJ	1.20	AWJ	23	3	6	6	7	114.0	0.41	87.3
22.8	AWJ	1.20	AWJ	18	2	4	6	6	117.6	0.41	86.4
25.5	AWJ	1.20	AWJ	15	2	4	4	5	109.3	0.42	88.0
28.8	AWJ	1.20	AWJ	16	5	4	3	5	126.4	0.41	86.3
31.6	AWJ	1.20	AWJ	27	3	5	6	9	118.1	0.40	85.2
34.5	AWJ	1.20	AWJ	35	3	9	10	13	115.4	0.39	81.1
37.5	AWJ	1.20	AWJ	35	4	7	9	12	119.9	0.39	81.8
40.4	AWJ	1.20	AWJ	30	5	6	9	10	115.2	0.40	83.9
43.4	AWJ	1.20	AWJ	19	2	4	6	7	129.8	0.38	80.9

