UNCONFINED COMPRESSION TEST

Tested on & by		**Proving Ring No (23)** **Proving Ring No (18)**	**040900000023** **040500000018**
Project name			
Sample description		**Calibration factor (23)** **Calibration factor (18)**	**(-0.06337+0.00388*dial gauge div.<550 div.) = KN** **(-0.05947+0.0042*dial gauge div.<550 div.) = KN**
Location		**Can No**	
Boring No		**Wt. of can**	
Sample No		**Wt. of can + wet sample**	
Sample depth		**Wt. of can + dry sample**	
Initial diameter (d_0)		**Wt. of water**	
Initial Area (A_0)		**Wt. of dry sample**	
Initial Length (L_0)		**Moisture content, w%**	
Final Length (L_f)			

Elapsed time	**Load dial (proving ring dial divn.)**	**Axial load, P (lb)**	**Displacement Dial gauge reading (divn.)**	**Displacement ΔL (divn.*dial factor)**	**Unit Strain, Є= ΔL/L_0**	**Corrected Area, Á = A_0/(1- Є), $inch^2$**	**Shear Stress, σ = P/ Á, (Psi)**

Failure Condition:

Sign. Of Teacher