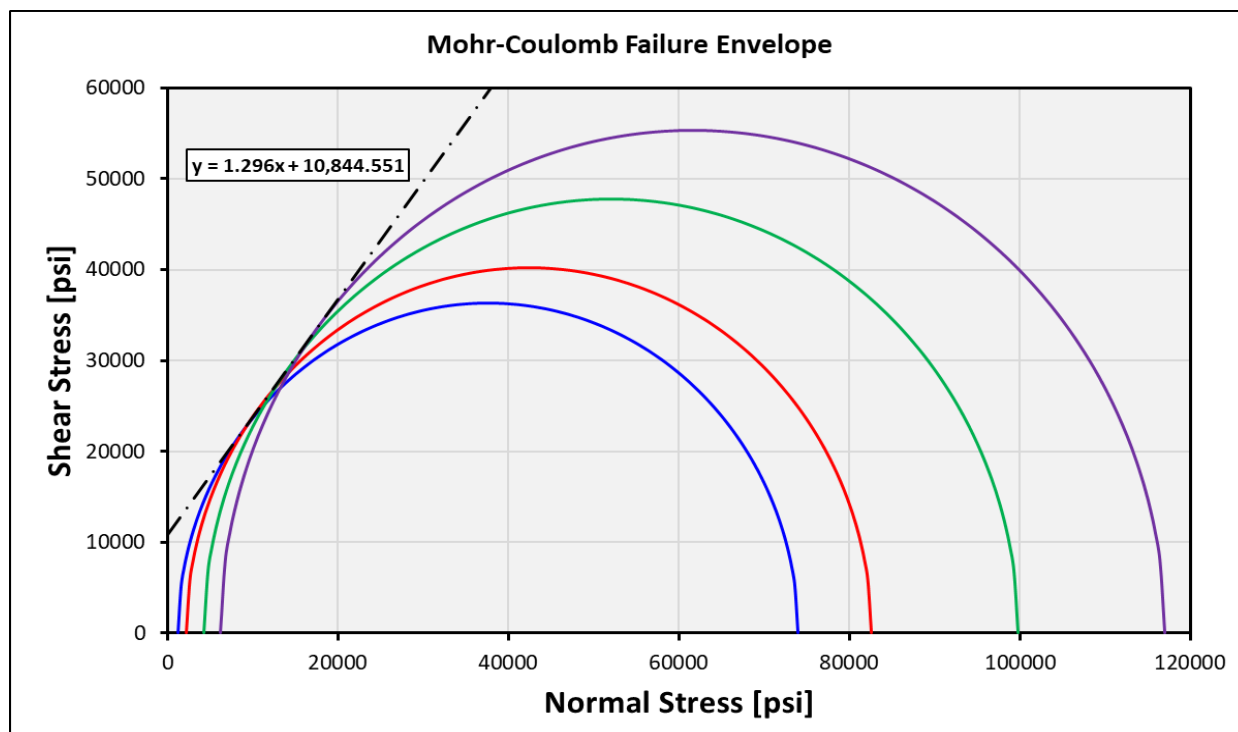
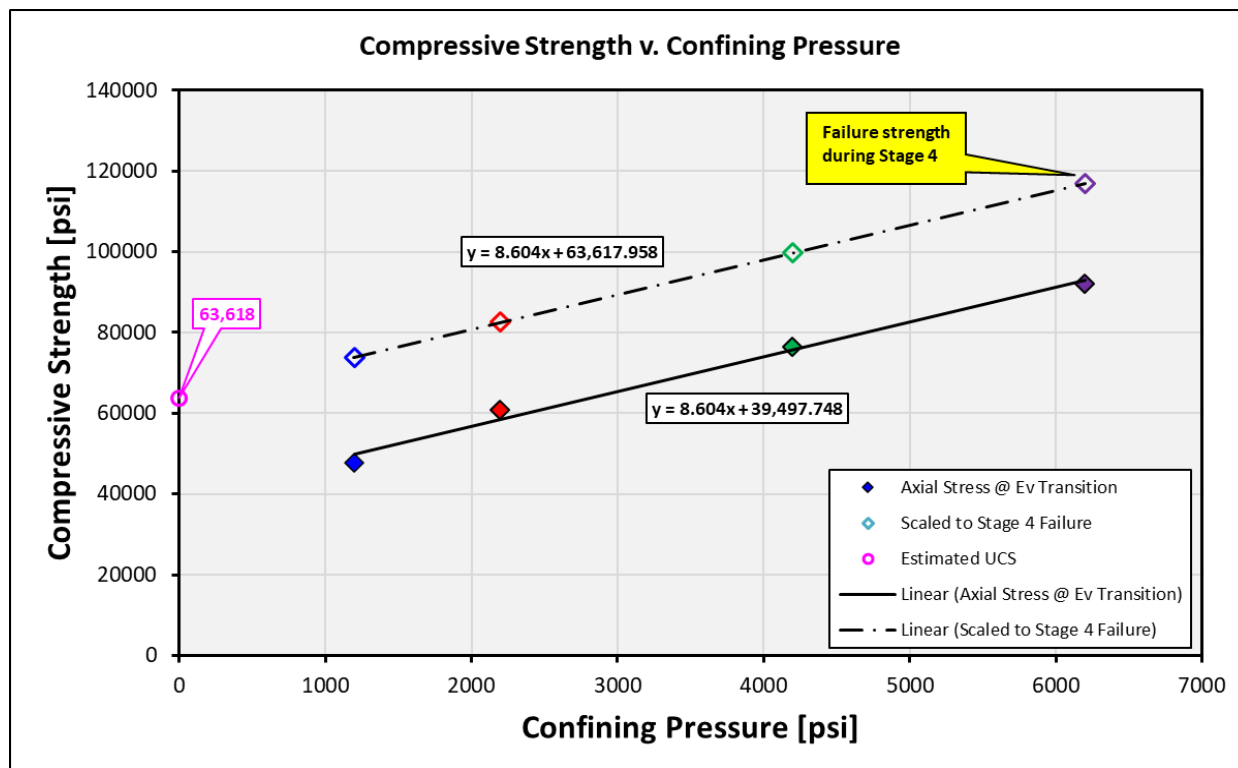


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

Date: 31-Mar-2025
File: 202500182
Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test



Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

Date: 31-Mar-2025
 File: 202500182
 Saturated Fluid: As-Received

Result of Triaxial Compressive Strength Test

| Sample # (stage) | Depth (m) | Confining Pressure $P_c = \sigma_3$ (psi) | Differential Stress $\sigma_1 - \sigma_3$ (psi) | Compressive Strength σ_1 (psi) | Slope $\sigma_1 v. P_c$ | Estimated UCS (psi) | Internal Friction Angle (deg.) | Internal Coefficient of Friction | Cohesive Strength (psi) |
|----------------------|--------------|--|--|--|----------------------------|---------------------------|---|--|-------------------------------|
| 24BA073_S1 (Stage 1) | 2101.17 | 1199 | 72735 | 73934 | 8.604 | 63618 | 52.3 | 1.296 | 10845 |
| 24BA073_S1 (Stage 2) | 2101.17 | 2200 | 80346 | 82546 | | | | | |
| 24BA073_S1 (Stage 3) | 2101.17 | 4200 | 95553 | 99753 | | | | | |
| 24BA073_S1 (Stage 4) | 2101.17 | 6200 | 110760 | 116960 | | | | | |

Note: Stages 1-3 are unloaded at the point where the volumetric strain transitions from compression to dilation, noting the differential stress at which this transition occurs. During Stage 4 we also note the differential stress at which this transition occurs, but then continue on to the ultimate failure of the sample. We then determine the approximate failure strength during Stages 1-3 by scaling the volumetric strain transition stress up to the ultimate failure strength that is determined during Stage 4.