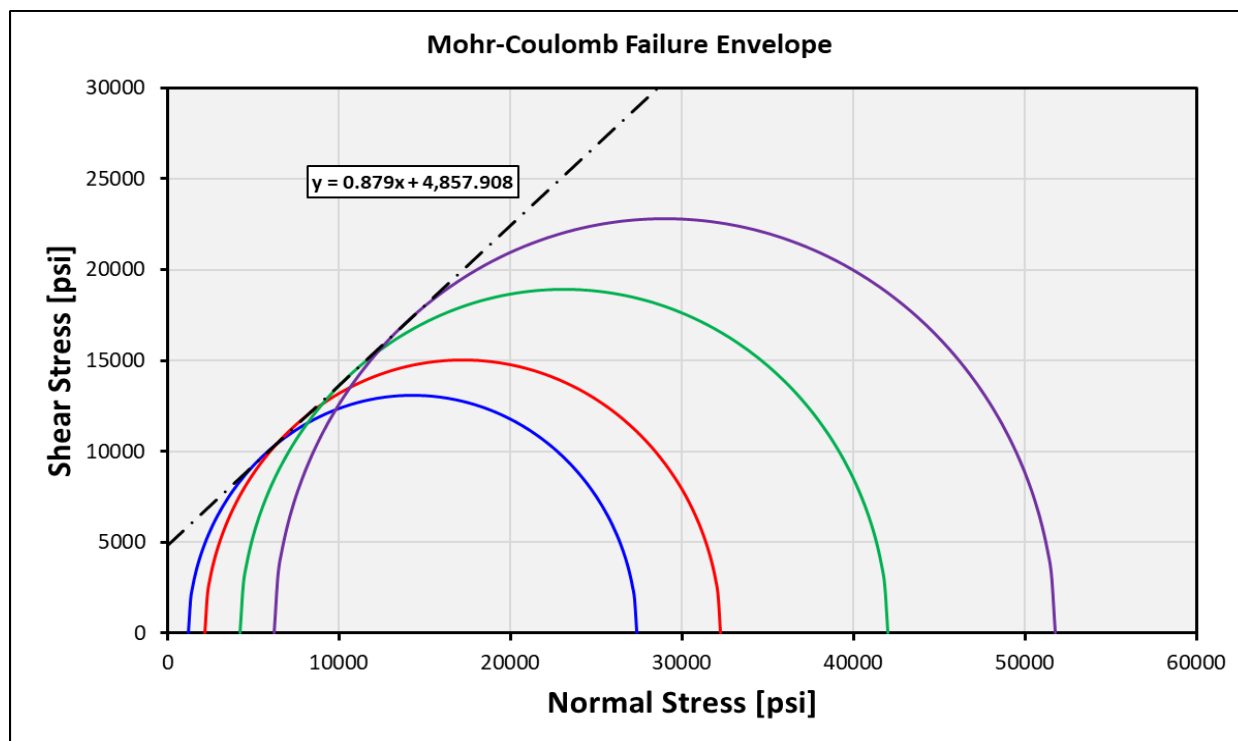
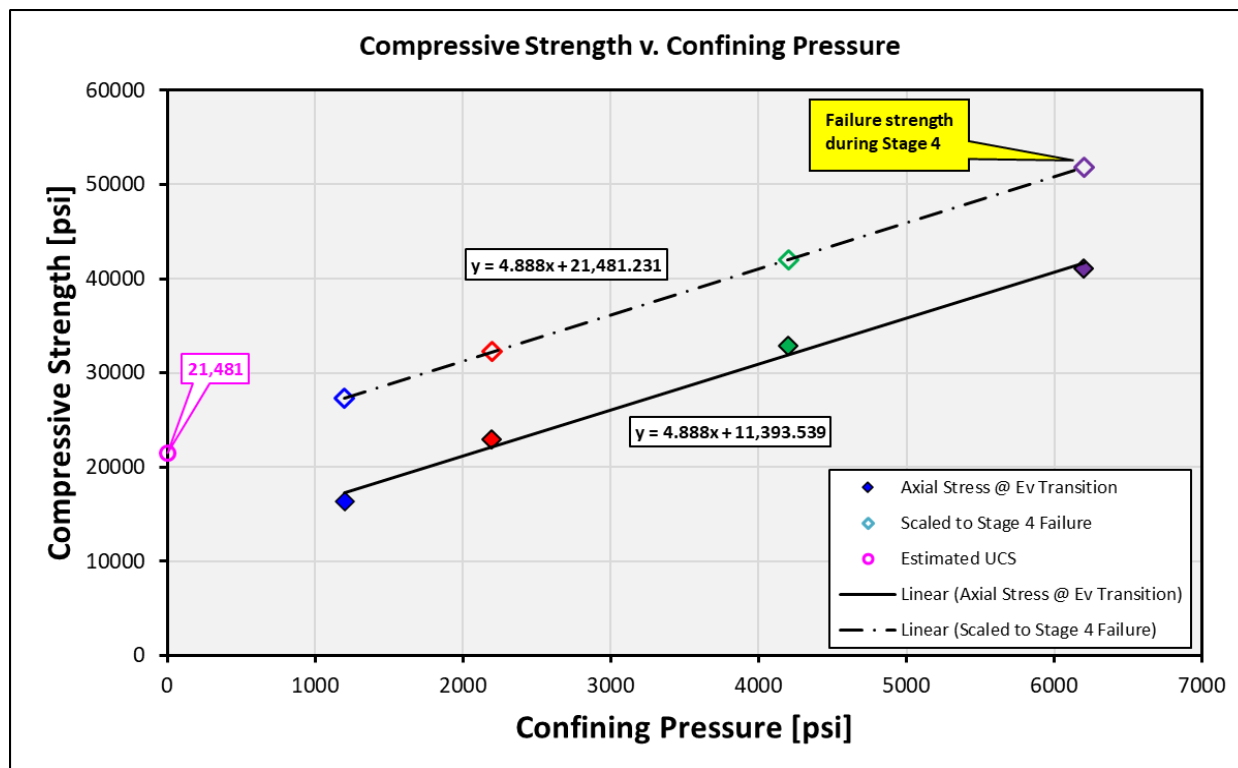


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test



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 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

Date: 31-Mar-2025
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 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]
24BA030 (Stage 1)	1716	1200	26147	27347					
24BA030 (Stage 2)	1716	2200	30036	32236					
24BA030 (Stage 3)	1716	4200	37812	42012	4.888	21481	41.3	0.879	4858
24BA030 (Stage 4)	1716	6200	45589	51789					

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.