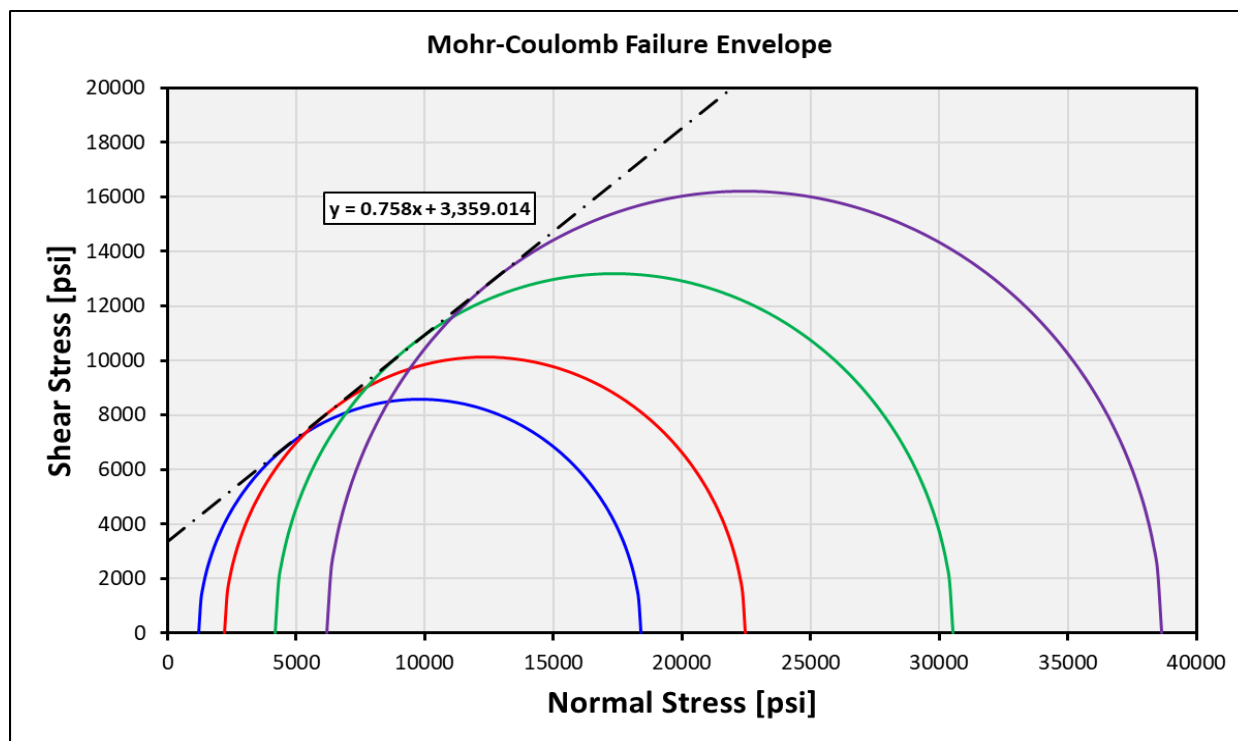
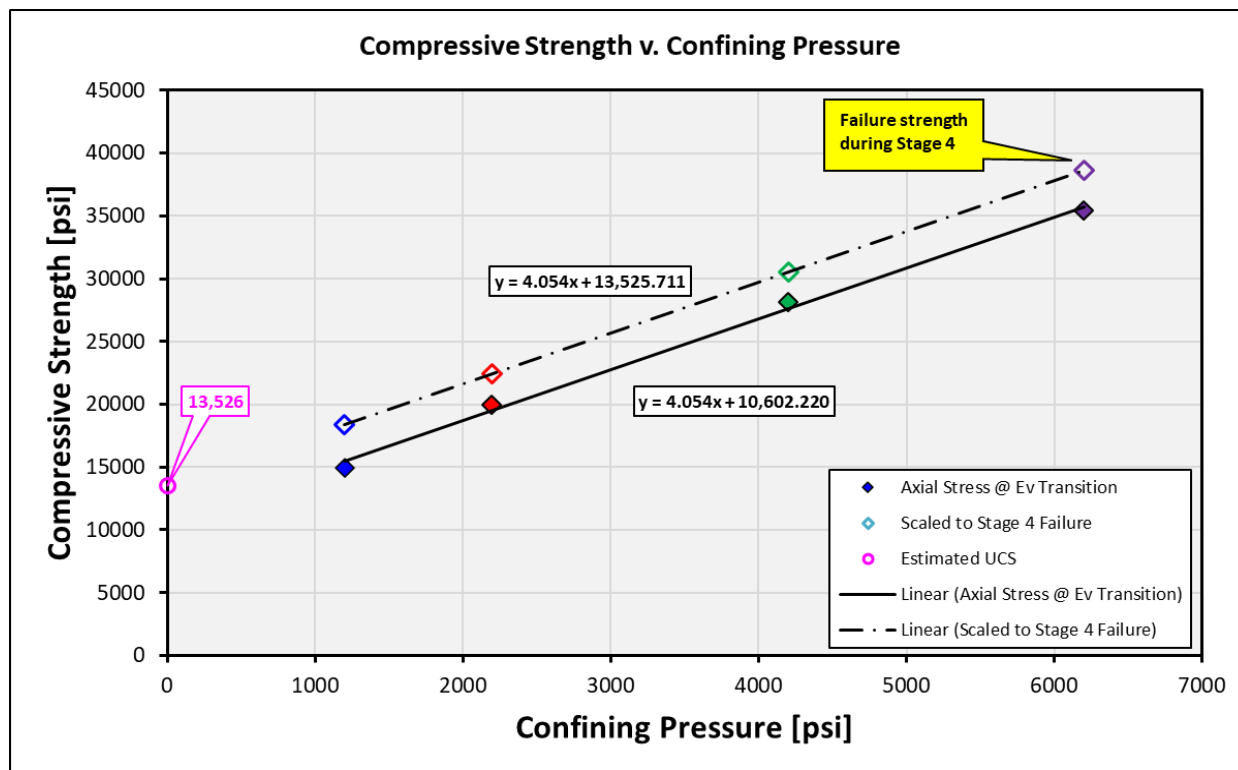


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

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]
24BA040 (Stage 1)	1886.45	1200	17190	18390	4.054	13526	37.2	0.758	3359
24BA040 (Stage 2)	1886.45	2200	20244	22444					
24BA040 (Stage 3)	1886.45	4200	26351	30551					
24BA040 (Stage 4)	1886.45	6200	32458	38658					

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.