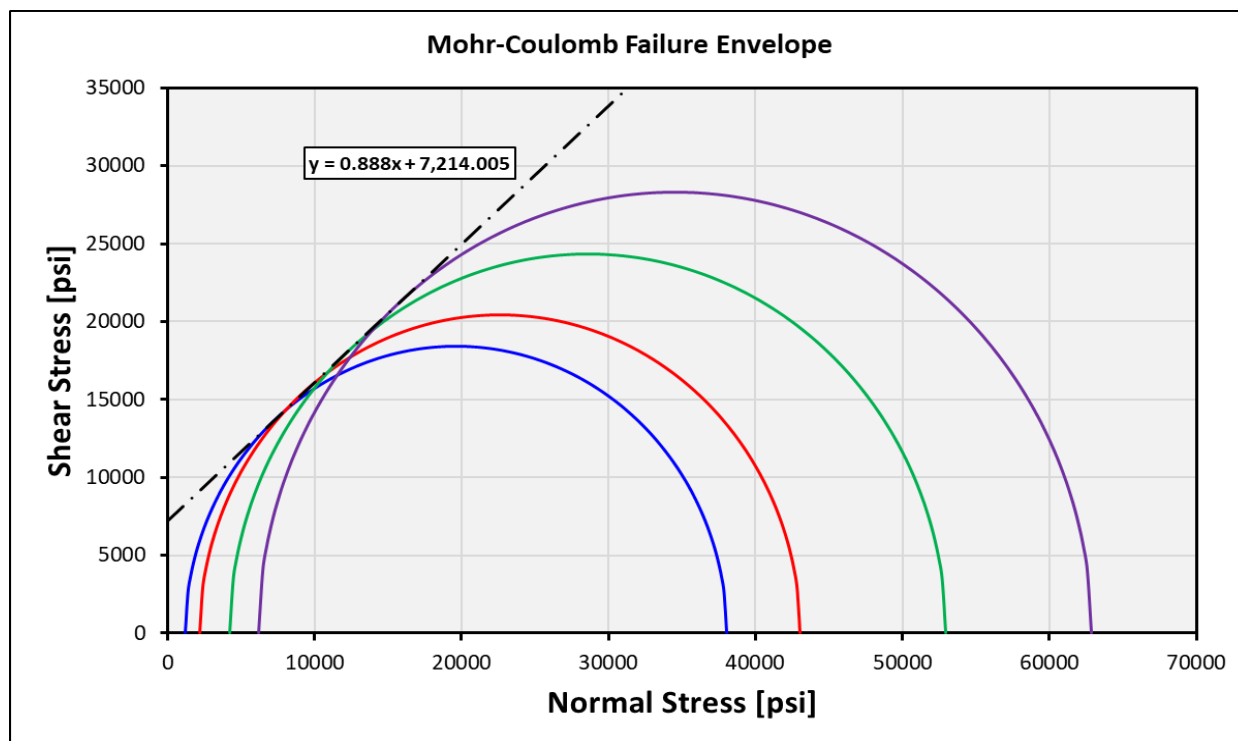
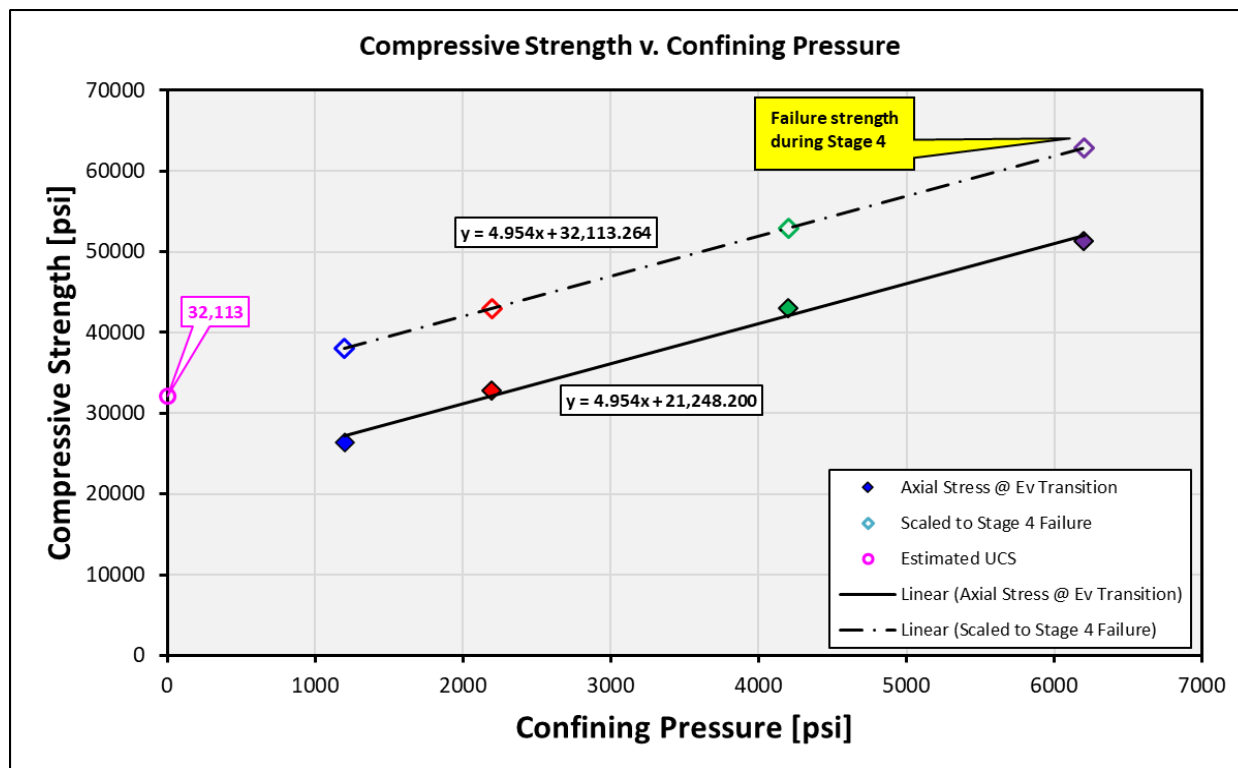


Company: Alberta Geological Survey, Alberta Energy Regulator  
Well: Multiple Wells  
Field: #N/A  
Location: Onshore, Canada

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 $\sigma_1$ [psi]	Slope $\sigma_1 v. P_c$	Estimated UCS [psi]	Internal Friction Angle [deg.]	Internal Coefficient of Friction	Cohesive Strength [psi]
24BA069 (Stage 1)	2786.65	1200	36858	38058	4.954	32113	41.6	0.888	7214
24BA069 (Stage 2)	2786.65	2200	40812	43012					
24BA069 (Stage 3)	2786.65	4200	48720	52920					
24BA069 (Stage 4)	2786.65	6200	56628	62828					

**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.