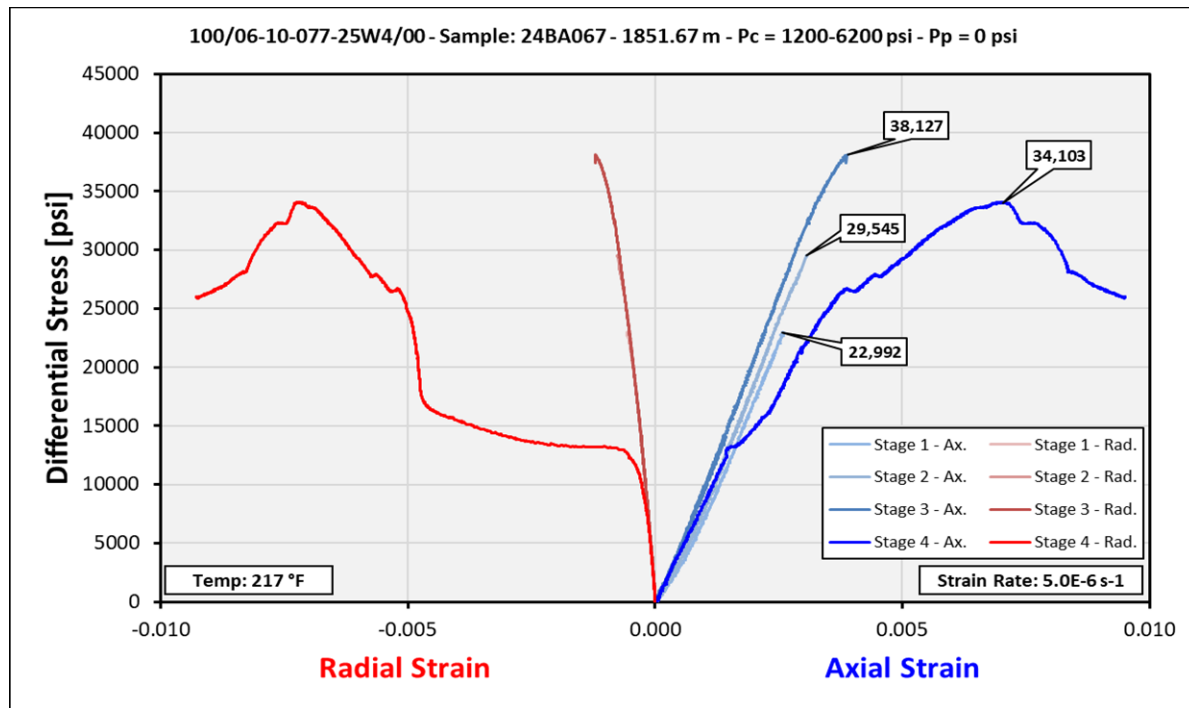


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

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

Note: The depth is 1861.67 m (misabeled on the plots as 1851.67 m)

Result of Triaxial Compressive Strength Test



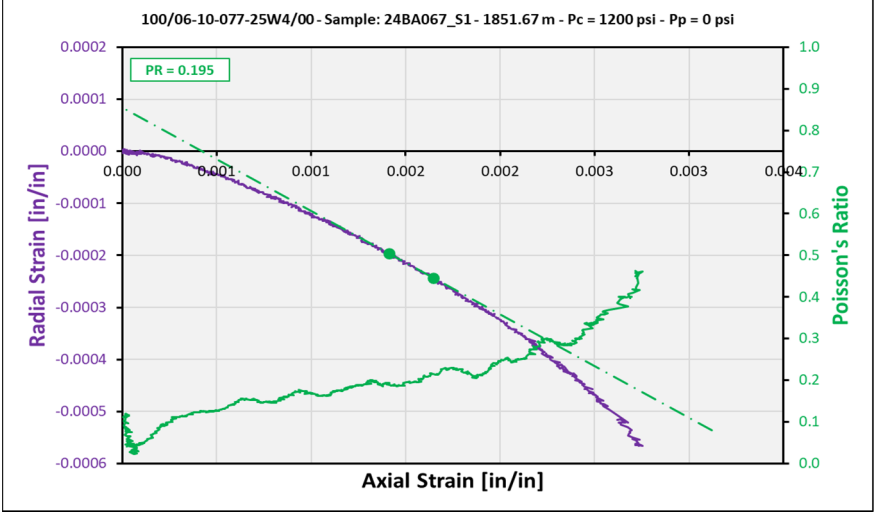
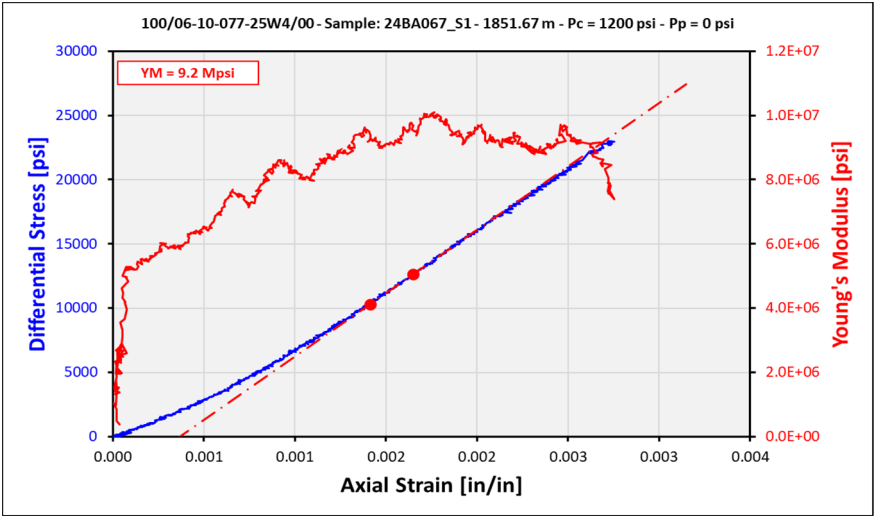
Note: During Stage 4 loading at a differential stress of ~14,000 psi, the specimen appears to have developed a leak, resulting in a flawed analysis for that stage. Mohr-Coulomb analysis is therefore conducted utilizing only the Stage 1-3 data.

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Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	24BA067_S1	Max. Compressive Stress [psi]:	24192
Depth (m):	1861.67	Scaled Compressive Strength [psi]:	23496
Length [in]:	1.7263	Static Elastic Parameters	
Diameter [in]:	0.9783		
L:D Ratio:	1.765	YM & PR Range	
As-Received Mass [g]:	57.200	Young's Modulus [Mpsi]:	9.20 45%
As-Received Density [g/cm ³]:	2.690	Poisson's Ratio:	0.195 55%
Tested Mass [g]:	57.200	Young's Modulus [Mpsi]:	10.05 55%
Tested Density [g/cm ³]:	2.690	Poisson's Ratio:	0.226 65%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	9.07 30%
Testing Conditions		Poisson's Ratio:	0.188 50%
		Young's Modulus [Mpsi]:	9.49 33%
Confining Pressure [psi]:	1200	Poisson's Ratio:	0.204 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	7.02 10%
Temperature [°F]:	Ambient	Poisson's Ratio:	0.141 20%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

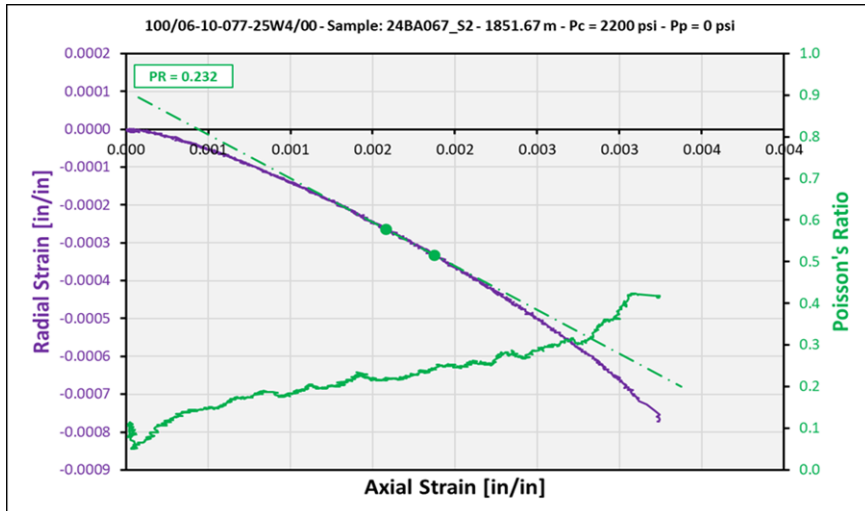
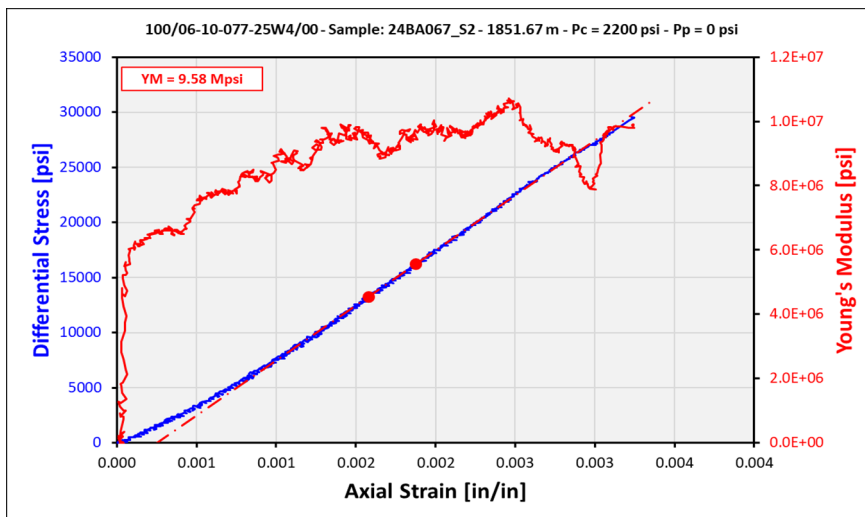


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	24BA067_S2	Max. Compressive Stress [psi]:	31745
Depth (m):	1851.67	Scaled Compressive Strength [psi]:	31709
Length [in]:	1.7263	Static Elastic Parameters	
Diameter [in]:	0.9783		
L:D Ratio:	1.765	YM & PR Range	
As-Received Mass [g]:	57.200	Young's Modulus [Mpsi]:	9.58 45%
As-Received Density [g/cm ³]:	2.690	Poisson's Ratio:	0.232 55%
Tested Mass [g]:	57.200	Young's Modulus [Mpsi]:	10.60 69%
Tested Density [g/cm ³]:	2.690	Poisson's Ratio:	0.282 79%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	9.91 25%
Testing Conditions		Poisson's Ratio:	0.217 50%
		Young's Modulus [Mpsi]:	10.06 33%
Confining Pressure [psi]:	2200	Poisson's Ratio:	0.239 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	7.22 4%
Temperature [°F]:	Ambient	Poisson's Ratio:	0.142 14%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

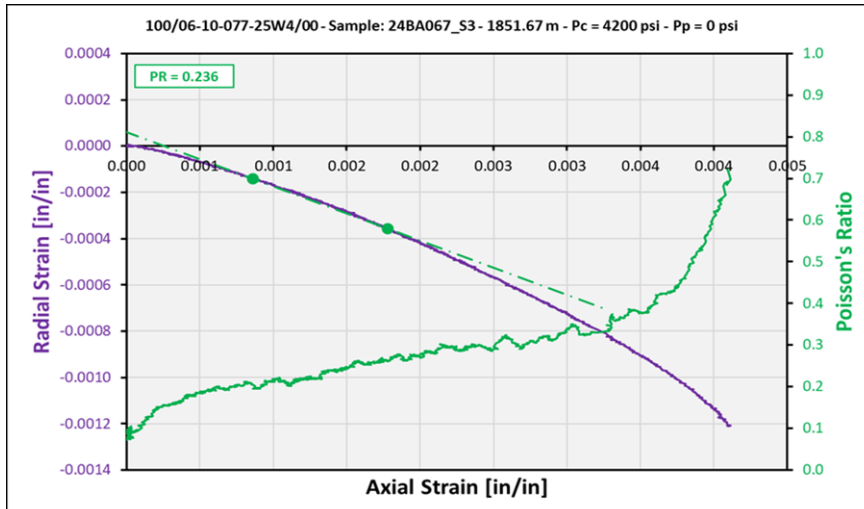
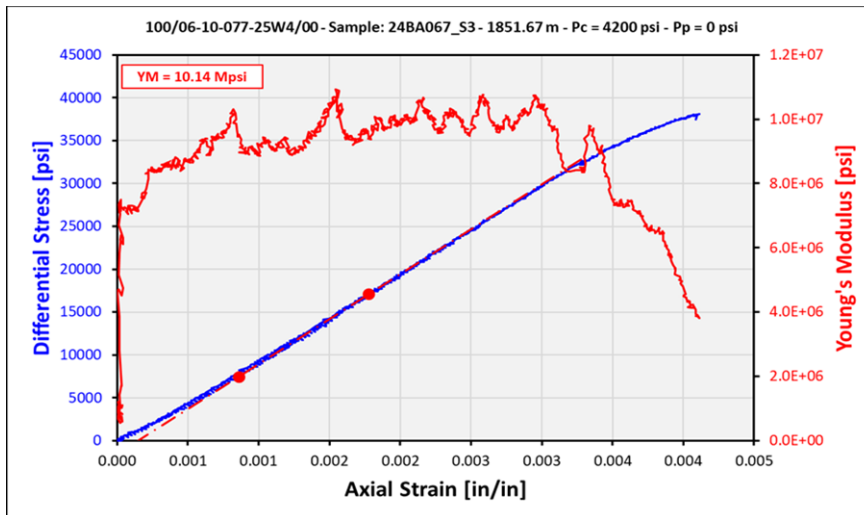


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	24BA067_S3	Compressive Strength [psi]:	42327
Depth (m):	1851.67	Static Elastic Parameters	
Length [in]:	1.7263		
Diameter [in]:	0.9783	YM & PR Range	
L:D Ratio:	1.765		
As-Received Mass [g]:	57.200	Young's Modulus [Mpsi]:	10.29 45%
As-Received Density [g/cm ³]:	2.690	Poisson's Ratio:	0.280 55%
Tested Mass [g]:	57.200	Young's Modulus [Mpsi]:	10.62 32%
Tested Density [g/cm ³]:	2.690	Poisson's Ratio:	0.251 42%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	10.14 20%
Testing Conditions		Poisson's Ratio:	0.236 45%
		Young's Modulus [Mpsi]:	10.40 33%
Confining Pressure [psi]:	4200	Poisson's Ratio:	0.282 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	Ambient	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		



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 - Stage 4

Sample Information		Results	
Sample Name:	24BA067_S4	Compressive Strength [psi]:	40303
Depth (m):	1851.67	Static Elastic Parameters	
Length [in]:	1.7263		
Diameter [in]:	0.9783	YM & PR Range	
L:D Ratio:	1.765		
As-Received Mass [g]:	57.200	Young's Modulus [Mpsi]:	6.38 45%
As-Received Density [g/cm ³]:	2.690	Poisson's Ratio:	1.610 55%
Tested Mass [g]:	57.200	Young's Modulus [Mpsi]:	8.81 28%
Tested Density [g/cm ³]:	2.690	Poisson's Ratio:	0.919 38%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	8.04 10%
Testing Conditions		Poisson's Ratio:	0.217 25%
		Young's Modulus [Mpsi]:	#N/A 33%
Confining Pressure [psi]:	6200	Poisson's Ratio:	#N/A 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	Ambient	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

