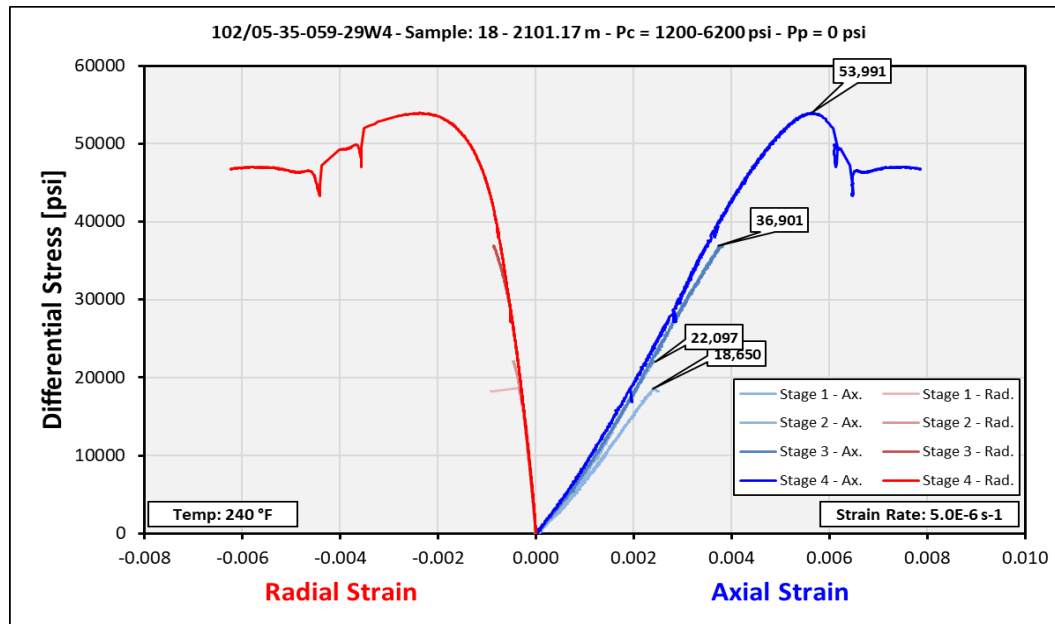


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada
Sample ID: 18 (Old); 25BA031 (New)

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

Result of Triaxial Compressive Strength Test

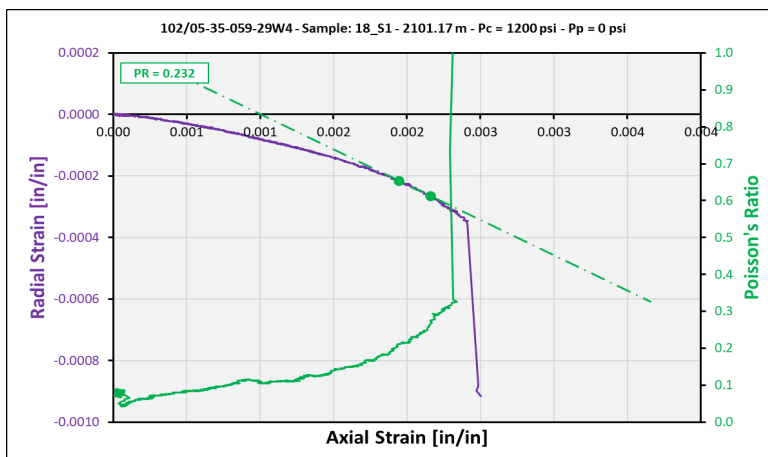
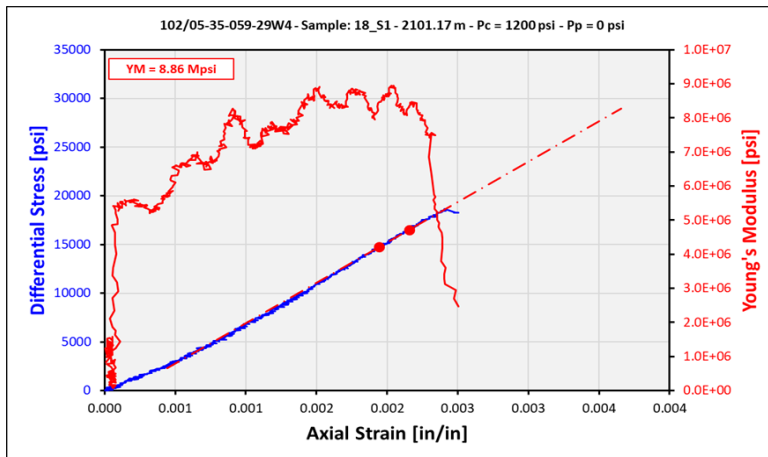


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 1

Sample Information		Results	
Sample Name:	18_S1	Max. Compressive Stress [psi]:	19850
Depth [m]:	2101.17	Scaled Compressive Strength [psi]:	27416
Length [in]:	1.7552	Static Elastic Parameters	
Diameter [in]:	0.9827		
L:D Ratio:	1.786		YM & PR
As-Received Mass [g]:	61.700	Young's Modulus [Mpsi]:	7.73 45%
As-Received Density [g/cm ³]:	2.828	Poisson's Ratio:	0.125 55%
Tested Mass [g]:	61.700	Young's Modulus [Mpsi]:	8.86 79%
Tested Density [g/cm ³]:	2.828	Poisson's Ratio:	0.232 89%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	7.98 30%
Testing Conditions		Poisson's Ratio:	0.113 50%
		Young's Modulus [Mpsi]:	8.34 33%
Confining Pressure [psi]:	1200	Poisson's Ratio:	0.126 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	6.81 15%
Temperature [°F]:	243.1	Poisson's Ratio:	0.087 25%
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

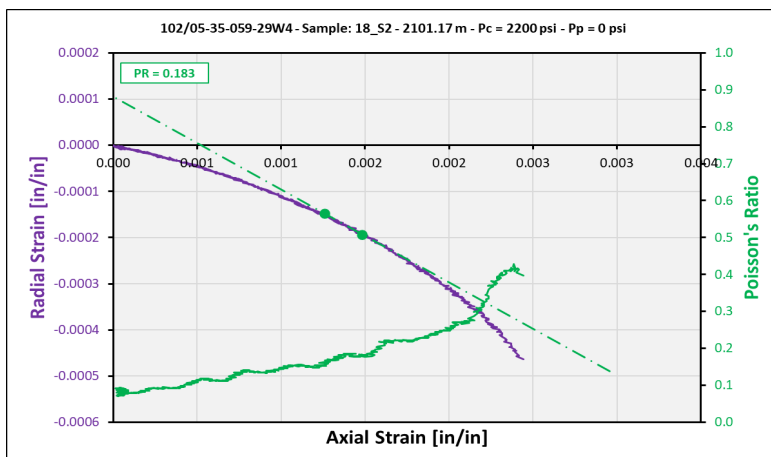
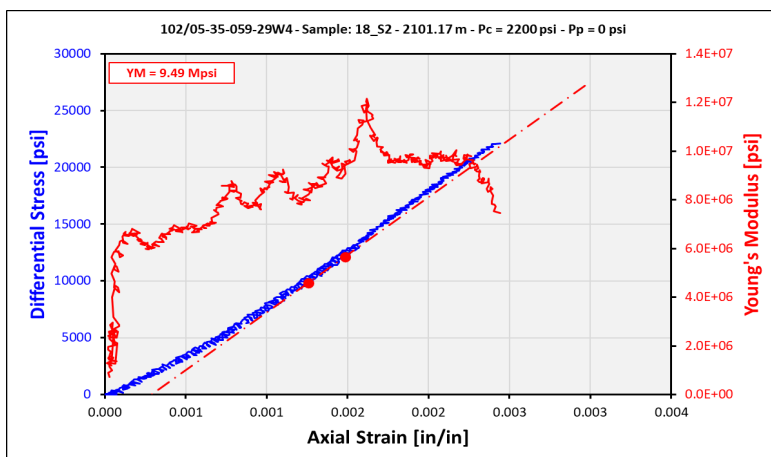


Company: Alberta Geological Survey, Alberta Energy Regulator
Well: Multiple Wells
Field: #N/A
Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 2

Sample Information		Results	
Sample Name:	18_S2	Max. Compressive Stress [psi]:	24297
Depth [m]:	2101.17	Scaled Compressive Strength [psi]:	33971
Length [in]:	1.7552	Static Elastic Parameters	
Diameter [in]:	0.9827		
L:D Ratio:	1.786	YM & PR	
As-Received Mass [g]:	61.700	Young's Modulus [Mpsi]:	9.49 45%
As-Received Density [g/cm ³]:	2.828	Poisson's Ratio:	0.183 55%
Tested Mass [g]:	61.700	Young's Modulus [Mpsi]:	11.71 57%
Tested Density [g/cm ³]:	2.828	Poisson's Ratio:	0.217 67%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	9.32 30%
Testing Conditions		Poisson's Ratio:	0.156 50%
Confining Pressure [psi]:	2200	Young's Modulus [Mpsi]:	10.05 33%
Pore Pressure [psi]:	0	Poisson's Ratio:	0.178 67%
Temperature [°F]:	237.1	Young's Modulus [Mpsi]:	6.98 8%
Nominal Strain Rate [s ⁻¹]:	5.0E-06	Poisson's Ratio:	0.102 18%

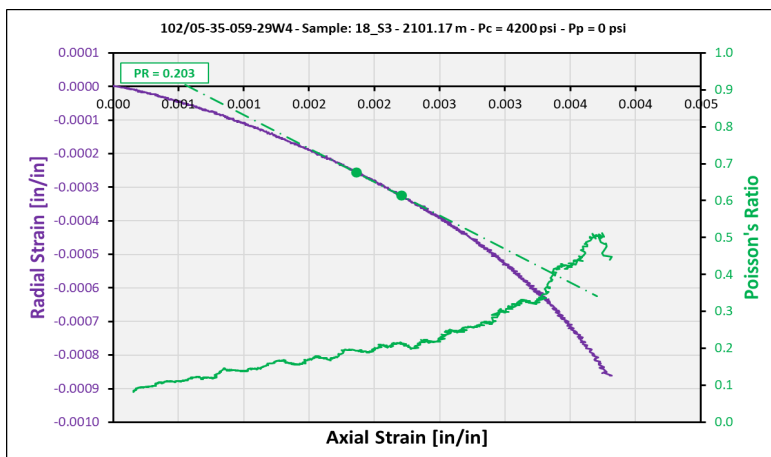
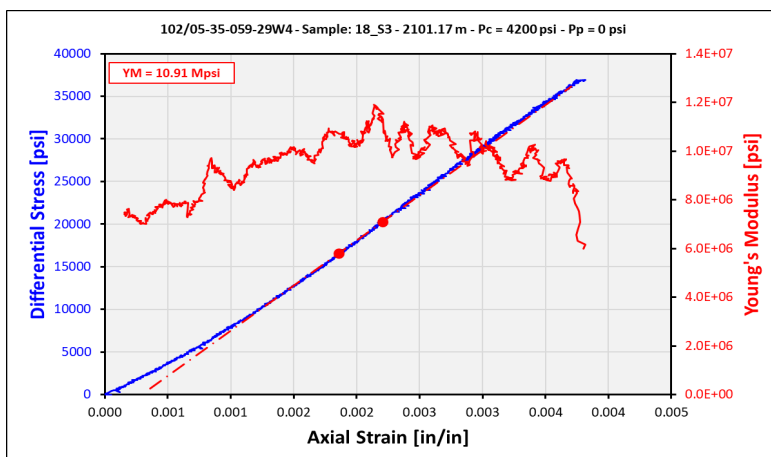


Company: Alberta Geological Survey, Alberta Energy Regulator
 Well: Multiple Wells
 Field: #N/A
 Location: Onshore, Canada

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

Result of Triaxial Compressive Strength Test - Stage 3

Sample Information		Results	
Sample Name:	18_S3	Max. Compressive Stress [psi]:	41101
Depth [m]:	2101.17	Scaled Compressive Strength [psi]:	47081
Length [in]:	1.7552	Static Elastic Parameters	
Diameter [in]:	0.9827		
L:D Ratio:	1.786	YM & PR	
As-Received Mass [g]:	61.700	Young's Modulus [Mpsi]:	10.91 45%
As-Received Density [g/cm ³]:	2.828	Poisson's Ratio:	0.203 55%
Tested Mass [g]:	61.700	Young's Modulus [Mpsi]:	11.48 48%
Tested Density [g/cm ³]:	2.828	Poisson's Ratio:	0.214 58%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	10.25 25%
Testing Conditions		Poisson's Ratio:	0.178 50%
		Young's Modulus [Mpsi]:	10.91 33%
Confining Pressure [psi]:	4200	Poisson's Ratio:	0.204 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	240.6	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:	18_S4	Compressive Strength [psi]:	60191
Depth [m]:	2101.17	Static Elastic Parameters	
Length [in]:	1.7552		
Diameter [in]:	0.9827	YM & PR	
L:D Ratio:	1.786		
As-Received Mass [g]:	61.700	Young's Modulus [Mpsi]:	10.83 45%
As-Received Density [g/cm ³]:	2.828	Poisson's Ratio:	0.263 55%
Tested Mass [g]:	61.700	Young's Modulus [Mpsi]:	12.96 53%
Tested Density [g/cm ³]:	2.828	Poisson's Ratio:	0.303 63%
Saturation State:	As-Received	Young's Modulus [Mpsi]:	10.83 20%
Testing Conditions		Poisson's Ratio:	0.208 45%
		Young's Modulus [Mpsi]:	11.87 33%
Confining Pressure [psi]:	6200	Poisson's Ratio:	0.271 67%
Pore Pressure [psi]:	0	Young's Modulus [Mpsi]:	#N/A #N/A
Temperature [°F]:	241.4	Poisson's Ratio:	#N/A #N/A
Nominal Strain Rate [s ⁻¹]:	5.0E-06		

